PALMOHAJHA MEXAHUKA II



Top. J. avjut, mort.

MATEMATURING UNCTUTATA

Ep. 45 3244

JOHNOVIACE MANON MORE

serologial mil.

 $\overline{\underline{I}}$ $\overline{\underline{a}}$

Cinatura Mattepujante Rutuje.

Ochologu aojmolou.

TICPHIJANHUR TIARAND JEGAM CHATIEM MA TICPHIJANHUR TIARANDA 1808 CE MUTY COMBA SO CEÓE CRUSCOS HO 18 PETICATIU, TWO SIA HUM BOOSHU COE OHO MITTO CANO Y MERCANHURU MATTEPHIJANHE TIARIZE USOENU. EMITADO CHATEM ONDE HANDSUNA Y TITARANJ MU-PUDANO, A TIO HE MOHU OMITU CRYPTAJ COMO OHORA, CANO SE PESYNTIANHTA CUNDA 1808 YTTURY HA COONEY TOJEGUHY TIARANJ PODSHA HYNU.

It is he ce in besa intersubation y in the special of the intersubation of special of the intersubation in j. j. jegita interse he young juiting it special of the special

TO WE CONTROLLED UND TO MOTH CURE, THE WAR WE CARE TENJUMA OF CHILDREN AND THE WATER CHILDREN SON THE WATER WA

Mattepyjansta tarnsa o Mi Ita Mattepyjansty tarnsy M; jegstanso je to ben urutu Conjoj cunu p; Isojom gejculvije mattepyjansta

montes My the variety Mi. Obe cure vaga-

Me ynymaproe cune unay ga sagobore cem moña usbechum yonobuma. Marso 11 ap ynymaproe cune jegino ispymoñ mena unay ga sagobore yonobu-

ma ga y yber ware yo where con-By apomerty guarantynia maniepujan-Hux maranea to anathant reputati viena. Voizymabamo nu apema vione ya goe mantepujante manse reasolost replant mena jedity apytoj apudruoximo, to he ce usmely wux tojalutu og Svjik une 120xe he us up us nuskalowe caperum. Mu apentiounaloumo ya uniano aocha co auconyaito repytain tenuma tij. ga ynytiaproe une tiarevoux mena moty gounthu apousbonity benususy. Y wilapu to style contrai : hitamorphe come assitumus tiena ité moig aperenparume ogpebe-He beniverite. Quantity me one the benueure, un ce viens pasopala ito beh u reg najmanoux cura gerpophuny ce viena vij. Huxobe guariantique usmetry maraira mensajy ce, camo je ma geopopmanjuja, and cure the operapa ya ce muste somemapum. Mu nemo

gasene y Payustonitoj Measitulu apentacialumu ga umamo tocha ca adunytato ispytaum tenuma isoja cy y ciany ga ce ses geopopmanjuje togoptity cunama tipousboote benusuit.

Caga hemo ce dabutra mexanta-120M Mariepujanite nutuje. Rog <u>mariepu-</u> jantom nutujom pasymelano cuciem притеријалних шакалга поређаних у jegity rustujy trasso gra coassa og sour gejunerije the ove cycenthe mannepujon the marise. Vitymaphie cure aagajy apena Thome your y apole trop chajary cycey-He maniephyante marrie. One monty owner worso benuise you capere apomerte gucaianyya ūus ūaranza. Tie ynyūapnie cune genum y gle reattetopuje: how cy jantologa apullya ga caperabayy ygaroabance goesy cycegnus maranea ii.j. ans ce appre y pabitationer a eixi-

Pe Mi Pi Te nama Pe u

Pe Mi Mi Pe 120/e Tie-

ske ga pasmaneny manne Mi u Mj, vitga warbe une sobemo unama uniesara; onto by the cure thethers the with chite Offer sylver som and appropriate and constrains apubm oxiabianoe pe Pic Pic Pic oxicegituse pe Mi Mi Mi Cyceghus maranza, orga ux sobemo curama tipumucha marpy H. ab it about antrath Hactilye cure te uté og resjux tiples gejanbyje Ha marrey Mi a gpyta Ha mariri y ma abnumaisité age maisse jegity oppying la du ce thanka the Hanasurva y pabhowesku, wo fe wampedito. gia Ha noy your warre warrea M; curom Più isoja gjoku čury te y pabhowesku livar rea Mi gejatibyte ita thanky My jegita-ROM ainom Pi, to he rutab citation Sumu y mupy and cy cure fe u fe' to benuruntu jeighanre.

Učituiojno aplo irizonuso jegitocialottus crysajela Iterea cy maniepujante manse M. M. M. M. (Spy zouxolo je apousbonan i iocnai ante y apabaj nu-

curs the autojan warsoly whitepry cury uspeda Hagobesaniu Ha marrey M, wa ga ce rivindo cución manasu y pabhomesku. ga du ce mariea Mi Hanasuna y pabitoweekn nowbegito's do alcedita marver Ho gejunibyse ita voy cunom for izoja je jegita-120 unu fe 140 apoundestri apabya. Os apuntyury pearty ye gej une obahe y mom chysayy wanta M, Ha warrey M2 cunom fr. revia je jeghanea to benurusku tovjoj curu Tr. 3a pabitowerky warne Mr mopa apyta cycegita joj warna Mo gejunbobation Ha voy curron for 120/10 je jeghanea cunu 7/2. Tha je cuna to topustyuty peareguje otett jeghanea cunu 1/23. Upogypkumo nu obo pasmantpame go marize My, to hemo lugettu ga tariza Ma gejunbyse the marry My curron Pay

so pobstowesty obe tochegwe transe
so pobstowesty obe tochegwe transe
sum totapeotho go the roy gejatows
una 'fe' teoja je jeghansa tho tipotalothos tipobaja cunu 'fe. Obe goe cure
fe u 'fe' uniquosoogy tipema tiome uctie yarobe teas teas ou gejatoobone the
uniq tionny, tia satio moskemo samuchutu ga ce tie cune tiomohy ynytiop
roux cuna timpe gyzk sutiobe matiepujante nunyé.

Uci windown obaj crysaj: Ha maniepujanity marry M. gej cirbyje cirontha cuna %, a tha marry M. cironotha

$$\uparrow_{e} \xrightarrow{M_{1}} \xrightarrow{M_{2}} \xrightarrow{P_{23}} \xrightarrow{P_{e}} \xrightarrow{P_{13}} \xrightarrow{P_{24}} \xrightarrow{P_{24}} \xrightarrow{P_{25}}$$

cuna to luming monsey cuny impedia thay obesamin y inansen My in ya ce rutions cucin em thanas u y pabito inestru tipe ma ispet simbem inapu ce cuna to you inanse Mo ingi tha inansey Mo gej un byje

TORRO M2 CURON 10=10

Ronzo Mañepujanta ñarnza Mi gejañog
k Ha ñarnzy Mi cunom fiz , ño he ñarnza .

Mi gejañololoña Ha ñarnzy Mi cunom

fin , ño ga bu ce oba Hanasuna y pab
Hoñesku Mopano y ñornzu Mi Hagobe
zonim erzañep Hy cuny fe" 120/12 le jerg Ha
120 Ho ñpoñub Hor úpabya cunu fin , ganz
ne jegharza u ucñor apabya 1200 cuna

fin 3 año gobijano jeghazuny

fe" + fe" = -fe

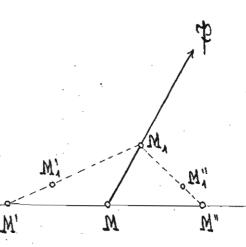
unu

3 Sup aionitux cuna mopa Sumu paban

Hynu, a bugum ga y warren Mz 14acaraje jegha guciroha unyan 14a apome-14a y ynyaaproum cunama jep unwepite cune go warre Mz 14ucy jegita-12e untaephum cunama usmeby wara-12a Mz u Mz.

Chouse person justice of the course of the cure in the course of the cure in the course of the cure in the cure in

tu y caianoy ga ogpoke tuanoy M g pasitotienky. Erementati he ce tipema tiome gechopmucatiu tite me ga he ce tion isa M tiomeputiu



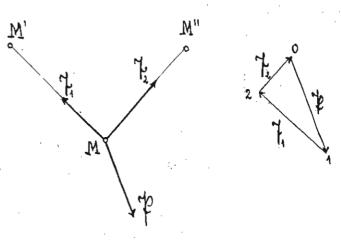
Merta montepujanite mutuje.

Osso the coordy worky manepuls of coord and the contract of coord work of the contract of the

Mostria arm all solver of undany nonzonuye dabutient ce cryrajem 1200ga Ha ta conse materpujanite rusture gérationer roste me rostyestapucaste y abjegustum tuarizama NUHUJE. Uchumubajno cryraj raga The training of generality justin 1804 arita and of . Tabitotieska he mohu itacity autil como ottoja, ano mantepujanita. runya ita home mecty runu jegan ytas, va ans the genobe maniepujante rushuje usmetry Mu M, u Mu M"

HE GEJCUILLYBY HUNEARDBE CUME, WID
HE WILL TEOMOGU SUUTUL
WOODELL BO

POLSHOWESKY
U WONEN H



ouna rustuje yszasky ustrepste cure (y obom cryrajy cure uctresoma) f. u f. wa ga tocaroju jegharusta

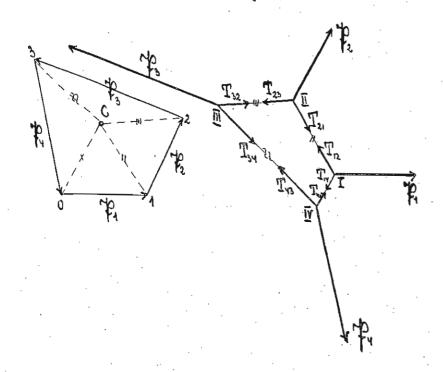
 \bar{w}_{i} , \bar{w}_{i} cure muposis corunsus aum jegori \bar{w}_{i} pour ou. Upenecemo ru cury p_{i} y
gyruni or, \bar{w}_{i} aubyremo ru or \bar{w}_{i} pour
rerito ca MM'' or ir \bar{w}_{i} poparerito ca MM', \bar{w}_{i} itam gyrune, ir \bar{w}_{i} vo \bar{w}_{i} pequiras ruy
cure ucureroma q_{i} u q_{i} . Orthorumo ru \bar{w}_{i} uni eure \bar{w}_{i} \bar{w}_{i} cura ca rusininterum
crubuma, \bar{w}_{i} $\bar{w}_{$

3m(44) = 11 = 12 = 12

yian (4,42) He moske Sumu palan Ti *(4,42) ≥ Ti

sep du y mom chigrasy unesama 1, u 12 buna becrepazito venusea, a une es ama 4, u . 12 mupe ce go maranea M' u M".

- IVO MORDÍ DENO AMÍN DUTUNDI - VOTINOE PHIRDÍ DHI DENOM ÍDSTUM - POLITIZINO PHINDÍNGA ÉDSTUM PERU MA DENO HINDE COM DANDA PHOSI SAUNDO NITUDOS DÍNHUM DHINDÍNGA - OBITES CIOTE DANDON IN PO, CONTROQUESTOS - OBITES CIOTE DANDON IN PO, CONTROQUESTOS



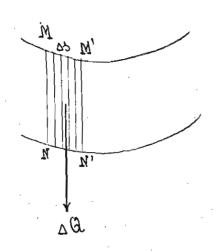
poytna gejuioubake capone cure. Mairepujanita nustuja Herra carumaba ūvnu-ALICENTAL ATOM AMUSSINE Y VETTER HOT Herea gejanbyjy wire of to the Tumojno way he ce that then with Hanasumu y pabitowerku 3å pabitowerky warke I toimpedito je gra cuna of canusolaba ca ucines ansuma In u III yegan samoopen thousens . Thereceno me thema thome by skurry 01 = 7; the turburemen of aupanen. HO ca PI u 10 Japanento ca II, ao Ham · gyskuste 10 u Co apeganaboazy ucaesa Now The u Ty. Conucció viero ucones anos je thaj go je anucao obunanjema to topoytny oboj: OIC, garene uctu unoj izao u anucas une 1º; as 3Haru ga je una In Howeperta y apabugg 10 mg. og marke I apema warren II. Wa ana mupu ce go warre II, aa he y woj warre gejewoo-Came anna II, isopa ama apostitione πραθούς. Θα ραθιτοπεργγ γ πος παργαι \mathbb{I} ποπρεότι γε φα се γ ιενπαίργ \mathbb{I} \mathbb{I} ποjabu jegita cura \mathbb{I}_{23} ιευία corunoaba

warre for amore mutualisate as as In u to sambopertu apoytas. Cura In apegation or the gyptimen C1, wine the gyzkustom 18, to he sawo cura I, Suttus apeycaraboerta gypkunom 20. Apu arome mispa duriu 20 aupanento ca III. Cuna In mupu ce go aonree II, aa y aoj aonu genyje ustrepita cuna Too isoja je apowillitiz apabya, aa apenia wone apegciabretta gyskuttom cz, take sa pab-Howery y warku to Sumu tompedito, ga ce y romanzy III wojabu ustuepska ana Toy responde abothatium cunama Too u to corumata sambopenu ipogras. Tab-However wohn he accombiante i warren III camo orga , ano cuna Toy oyize apezconsidered "gyxcusion 3C. "y the time towpedito je granène già 30 dyge aupanen-140 ca III Tuna Toy wupu ce go warre I u y voy gejaneryse ana Is voya je apenas wome apercuabnetta gythutom Co. Tab-Howeska y warku & mohu he wowija-IT LYCOMOSI N SO COND DESIGN COMED STE

Syze jajusuna cuna III respa ca cunama In u of 3 ambapa upoyiow. The he bume camo orga crysaj ano byge apeganabwella gypkullom oc. Bepuskitu abnutol IIII duhe apenia wome camo origia y UESTO LINE HOTELINGE AND, LISTES CHICLEY Syze sombopen i ans byge tourijana jegita manza e manobe apupoge ga cy apabe aboysers us as awarks & apena ytholuna 0123 tonutorra cuna taparente as authornamia bepuskitis tonu-TOHA. Wornight curve 01230 3060 ce recitio - row working - on annutita than-12ª e 3 voe ce <u>ton bornhorna</u>. Ctipante bapanoita admitoita aupanente cy cunama, a emplante bepuskitor tronuzvita uij asnutosta ruju voruse zaysuma mattepujunita nutuja aapanenite uj tonaphim sparring co, c1, c2, ...

<u>Ranzanuye</u>

Ita woomampanty maniepujanity
nutujy Iterea gejanogyy cune iespe ce
sontautyupito menajy og marne go
marne we nutuje lipeminamabumo aplos ga we cune neske y ucinj pastiutu
y iesjoj nesku u nativatusa u iterea
cy cem mota we cune bepunisanite.
Les nativatuse MM iesjeta je gyzkuta

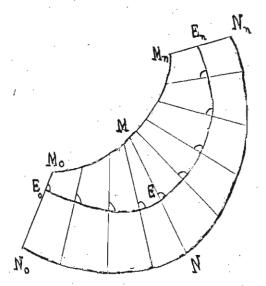


Jeghansa as Helsa dyge vautepehen vautepehensen apegatiabnenum crunom MM'M"
Pesyntiantia tiota
otiaepehensa Hersa
byge all Oltga 1260yuerrati

HODUSONO Chedrom outrepenemen enementus ΔS . Thushuskyje nu ce itorka M' Secrepajito itorku M, ito he ce itaj isboyu enout itopistoj thorrusu A ito he ce itaj isboyu enout itopistoj thorrusu A = $\frac{\Delta G}{\Delta S} = \frac{\Delta G}{\Delta S}$

a operation inota isonyuentia & suberno cieyupunzum odiepehenem namanuye y warme M. Onco owwepehenou nerke y ucinoj padetutu ca mantzantuzom to a-Huse to the freshort their traparenan 1200 y aperjamen chiprajy 14to ano ce Restautyupho mensor, vão hemo cucwen wux viviepeheroa nivhu apeguia-Course Ha coaj Harun: Mo M.M. Herra apegcondonia geo nantratuye. Barcost to 120. me ce menor apabay outrepehenor he durin vopeben and ham byge Juna sjours prior off 13303 aduge simultan wa oùwepeheroa Hopmanito. Wy republy - e de mondins dins che din sons din ebeheroa . apertecemo nu y courry transpy M gyokust y trabing outrepetienta ruja

je benurusta jeightaira



cieyuchunzom oùviepeheny nanvanunze, vio repajne
viarre M viux gyskunta neske nta
repubu 16111/2, resja
ntam gaze sanzon
to resjem ce menoajy untuensurievu
viux cieyuchunzu
viux cieyuchunzu
oùviepehena liy

pehenoa.

Ny cryrajy ga στι epeheno ite respect y unioj pabitutu tromiziahe tra-iturita opegitom izbozuenta ΔΩ, το he ποσισίατα α απορελείνα α πακυγα στι περελείνα α απο he συ διπτι προσίοριμε ιτρυδε.

CTELLAPURO CATEPERENE FOLRE

HAM Y COSROJ TIONAL RANZANULE OSPEPEND COND GYGEND CONDUCTOR

BOUTSON LINDOLDHEAT CONSOCIOL WET USE

150HUTOHEHTE X, Y, X, VILOLOGIE SE TEPOLOGIE

outrepehense ogpehen rochnycuma $cx(x,t) = \frac{x}{\tau}$

$$cos(x,x) = \frac{7}{7}$$

$$cos(x,x) = \frac{3}{7}$$

$$cos(x,x) = \frac{3}{7}$$

$$cos(x,x) = \frac{3}{7}$$

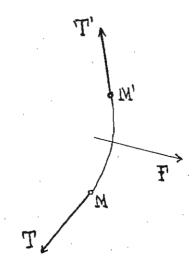
apu remy je

2 = 1 25+ A5+ 45

La ducho usbenu yonde sor padthowery nathanthosthan grementale enemetham M.H. Dyrkmta wit enemethala

Herea Syge do, a cireyucpurko vaiaepehene
y marku M 14rka Syge
F. Ottopa je vaiaepehene
moia enementaia do jegoHareo Fdo, a remaionent
me moia vaiaepehenoa
Ado, Ydo, 7do. Zerobe
rantzanuje repu ce

Hacitabology Ha tischestipartu eremertati 3 amucrums ogatiparterte, Ho ga tilume He-



En biopitomesko evenertous envo itablimerta unbamo il marisama Miny Haris besain ynytaiophe cure ristranture TuT', jep in ce trum curama u mattu. cheministr devoge no discontrapir. Rasianie and ya the yaythapare cure civique que cycerque marre manzanume. Wares cura I aponasu repos warrey M u 12/03 Herry 1400 cp eight brucky war-12y 120jy and ogatipanturu. Us there chegyje ga he upabay cune I wastuours of the name of purposers of a named he marso u apabay cure T' marriupaau nanzanuy y arama M'. Ytnobu into M n M, sampabald co sophannomin ocama Herra Sygy d, B, y u d, B, y. Ere-MEHOU MM be gearbagito mover is some 30 voet voy pabitoriesky baske chu yerobu teop com visberu sa pabitowesky maniepujanite manse wil so postomenty se woimpedito u gobonito ga soup remuionentawa clows una wye ita waj enementan y-

itury y cho tipu tipaloga reoppyunatiitur oca byge paloan ityru temtionentie cure I cy read mit and beh reasonu
Ids, Yds, Xds; remiditentie cure T buhe Tana, Tanp, Tany; remiditentie cure
I'buhe I'and, I'anp, I'any. Yomumu opa
cy remiditentie cure I'asomidite, a ga
cy remiditentie cure I netatubite, pep obe
abe cure tiagojy tipu bear pajnom tipubruskabany tionke M' tionku My ucty
tipaloy, a umajy tipotiulan tipaloas.
Satio he jegharuse pabnotierke butiu

T'cosd, -Tcosd + Xob=0 T'cosp, -Tcosp + y db=0 T'cos y, -Tcosy + Xob=0

Прва два злона торноих једнолина предстовному ном тотолне диференцијале помионенсти силе Т, па зато имами једногине

d(Icord)+Ido=0 d(Icorp)+Ydo=0 d(Icory)+7do=0

1)

Use jegherme stary ya cy gudepentyusoncesta usun sutabhotimosi unaj - sutabhotimosi usunkesi utasy otishista - consessi et sutabasi sons sons depentitic en consessi Tenus yardagti ago and otice y at, M usinoti y sutabati

$$cond = \frac{dx}{db}$$

$$cond = \frac{dy}{db}$$

$$cond = \frac{dy}{db}$$

156 M. MONES CAPACIONAS COS RESHORME MOR

$$d\left(T\frac{dx}{dx}\right) + \chi dx = 0$$

$$d\left(T\frac{dy}{dx}\right) + \gamma dx = 0$$

$$d\left(T\frac{dx}{dx}\right) + \gamma dx = 0$$

$$2)$$

1200 cy cune 120je gejcurbyzy 140 nantra-14mzy asstranie, ostgo nostremo 140hu obnus nantrantuse u neste cune ucuresanoa CTOPOTHE CAME 180/L GEJATERYLY THE NON-BED-HANGY & THOSOTALITICAL AT CONTROLLY OFFI APAHENTALE ADAMENTE MASHES HOUSE NON-APAHENTALE OF JEATHE OFFICE ATOMSE NON-THE THOSESE OF JEATHE OFFICE OPAJENTIANSALSE ENEMENTALO HO 180/L GEJATERYLY I TEL.

$$\mathcal{X} = f_1(x, y, x, s, \frac{ds}{dx}, \frac{ds}{dy}, \frac{ds}{dx})$$

$$\mathcal{Y} = f_2(x, y, x, s, \frac{ds}{dx}, \frac{ds}{dy}, \frac{ds}{dx})$$

$$\mathcal{X} = f_3(x, y, x, s, \frac{ds}{dx}, \frac{ds}{dy}, \frac{ds}{dx})$$

ONU LY HOM HO TICK HOUSELH OUTTEPERENCE 30030HO, OHYOU MOSKEMO TO MOSHY THUS JEGHOSWHE 2) TO GOOLYOND H. Tp.

$$x = \varphi(y)$$

$$T = \Phi(b)$$

abpe abn led Horme askepitin oquers

range no tomeyor any united on has an una una unitagne netativales to the tomatipation meany unit to many united to meany unit

Matranuye ca aapaner

Outrepehena nantonnuje nera óggy üaparenna persumo beputurean14a. Ogadepemo nu üpema tuome ocy y
14amei 1200 popuhatinoi cucatema za beptunrany, to he butu

J=0

Ortga. chegyje us apbe u apehe og jug-

$$T \frac{dx}{db} = C$$

Jegity c apyrom

$$\frac{dx}{dx} = \frac{e_2}{e_1}$$

uru

C2 dx - C, dx =0

Juhopita municipantaja ape ledurarme

 $\mathcal{C}_{\lambda}x - \mathcal{C}_{\lambda}x = \mathcal{C}_{3}$

Oba jeghosuta 120ja 1tom gaje ogstoc usmely 1200pogunata x u x tias assa nonmely 1200pogunata x u x tias assa nonsontuje 1200je ga je ran zanuja pabtha 12puba u ga nona pabnuta je beptias arta Ogabepuna tiy pabnuty sa
pabnuny IY Italieta 1200pogunatinz cuctiena tij zaxtiebajno ga je 1201tutantino
T=0

Oltga je

02=0

62=0

no abeporanna jedharmuna cuedite outou

T dr =0

ti.j. 120 ma 011 est tia cure une unies ano y apalo- qua je

yy t misesala emalumo nu kontantiny

wo umamo cer word jegharusty

 $T \frac{dx}{db} = H$

TOSE H USHOROWA JEGHY ROHOWANTAY. Oba JEGHOROWA WARREY TOOKEN AND LOOK JEGHOROWANTA ROM-TOOKENTOON JEGHOROWANTA ROM-TOOKENTOON JEGHOROWANTAY OF OBE JEGHOROWANTA OF OBE JEGHOROWANTA OF OBE JEGHOROWANTA OF OBE JEGHOROWANTA OF OBE

$$T \frac{dx}{ds} = 41$$

$$d(T\frac{dy}{db}) + Ydb = 0$$

Us aple og apra jedhosmin cuedhje da je

 $\frac{T}{ds} = \frac{\pi l}{dx}$ $\frac{ds}{ds} = \frac{\pi l}{dx}$ $\frac{ds}{dx} + \frac{ds}{ds} = 0$

<u>Eurenjantu ayrajelou sa</u> <u>aapanenta outrepeheno.</u>

<u>Naurepehene apoapyuonan-</u>

HADE DESCRIPTION DESCRIPTIONS SUPERIOR SUPERIOR SUPERIOR SUPERIOR SUPERIOR SUPERIOR SUPERIOR DESCRIPTION DE SUPERIOR DE SUPERI

31tar-menitynu con 3000 tauta man ysu. mano ga je oca y 1tateperta apema Tope a vateperene apema gune. Bata je

$$\mathcal{Y} = \frac{d\theta}{db} = -R \frac{d\alpha}{db}$$

Teighazunta 5) goduja apema atome obnuz $d(H \frac{dy}{dx}) - 12dx = 0$

Ultratiparinja de jegnarunte gaje $A \frac{d\lambda}{d\lambda} = 16x + C$

ThajHuska wastea nanzanuze je otta 3a 150/1 fe

 $\frac{dx}{dy} = 0$

via je savio aviaguca vie viarne appehe-Ha jegharmhom

12x+@1=0

unu

 $\chi = -\frac{15}{67}$

Ogpegum 120Hctantay e, anovo go je atiqua Hajhurke trazise pabita ityru wij. ewolumo

OHJA UMUMO

Holy = Rxdx

Tonobita interpayaja obe jegnazinte graje

7= 24 x2+65

X=0 Y=0 taj. ga Haj Huska taarsa nesku y as retainly recopquirations cultimens. On ga godyjamo

unu

A= 34 x5

unu

 $x^2 = \frac{2H}{12}y$

Manteanuja garène unia y obom cryrajy obnur tapadone.

Oduzha ranzanuya.

Penjumo carga obaj apodnem: 14-Ra ce Hate vonus muio la saysme marray jeghane gesmute osemen y goa choja istala isano se varian sedimense degina He, in je outrepehens apoutopywhan-140 gygkustu rysza aj.

34012 - your como otient ofot those mino Ogpegumo restrutionity ex teares ya je sa youmanio ya je our y beptiturean ita

терена у прошивным правин Зато је

 $y = \frac{d\theta}{db} = -p$

та једнахина 5), ако ознахимо <u>dy</u>=y'

gobija odnuk

"Hdy'=pob

unu

dy= p db

Usitosumo ca a orty gypkurty narteartuuse zuja je meskurta jegharsor supusortmantoj curu H m.j.

itio godijamo

 $dy = \frac{ds}{a}$

mu verosi im

db=1/1+y'2 da

amami at

 $\frac{dy'}{\sqrt{1+y'^2}} = \frac{d\alpha}{\alpha}$

Ultitet parsing on the jegitazine godinamo lognat $(y'+\sqrt{1+y'^2})=\frac{x-x_0}{\alpha}$

Tye to osharaba jegity rentationating regy hemo jour ogpeguia. Us use jegnaruste chegyje

 $y' + \sqrt{1 + y'^2} = e^{\frac{x - x_0}{\alpha}}$

Opegitouru nebo u gecho, un umamo

$$\frac{1}{y'+\sqrt{1+y'^2}}=e^{-\frac{x-x_0}{x_0}}$$

Paywotanusupano nu neby aiparty obe 2) jugharute irume as opojuiren u umenuten transtrumo ca y'-V1+y'2, iro je umenumen jegitari -1, tra je satio

$$y' - \sqrt{1 + y'^2} = -e^{-\frac{x - x_0}{\alpha}}$$

Casepeno nu jeghaniste 3) u4), to goonjamo - x-x.

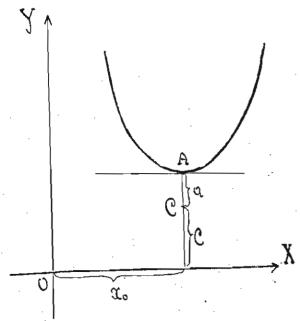
$$A_{i} = \frac{1}{\sqrt{3}} \left(6 \frac{\alpha}{x \cdot x^{o}} - 6 \frac{\alpha}{x \cdot x^{o}} \right)$$

5

N goa ce l'endransementa unake dinbersients metmetpucami na godujamo

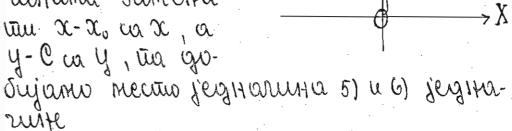
 $\sqrt{\frac{3}{2}}\left(6\frac{x-x^{2}}{\alpha}+6\frac{x-x^{2}}{\alpha}\right)+6$

La ogpegumo situreroe isolicaturata. Oltga mopamo y tha xo u. C. Over be x=x0, ortiga chergyse us jeg Harriet 5) ga je y'=0, a tuo 314arie gra je ao atachuca majhuske thanse Opgu-Having Hajtuske warre godujamo us jug-MUTE V. OX = CIMUCLOUID USAD (0 STUSTOFIE chyzajy umamo y = a + e . Itajhunka war-



BO VOVIEDHAME umus apenus mome isoppyu-Hame aou at C. ann Hisramon

ouge a tij tiomare. Homo as Engres 150. opgunation cutie ma y transy @ apehannoum jegita untama samethi-The x-x, cax, a y-Cay, wa go-



$$y' = \frac{1}{2} \left(e^{\frac{\alpha}{\alpha}} - e^{-\frac{\alpha}{\alpha}} \right)$$

$$y = \frac{\alpha}{2} \left(e^{\frac{\alpha}{\alpha}} + e^{-\frac{\alpha}{\alpha}} \right)$$

modnego asmerseron otennolitàs à cop missormadoces cuciem wars ita isoopgusaaitu cuciem isoju aponasu ga auturuca 12por tioney C. Pepulaje, non muio cnegy. Hajtuste mar je us jeghannte 8), cumetapunta obsupom Ha Hynu a we Ucananahemo caga jum Herse oco-

140 opgustama suste use republe. Ogonjemo nu caga jeg-

Hazuty 4) og jegnarute 3) to godujamo

$$\sqrt{1+ 4/3} = \frac{1}{2} \left(e^{\frac{x-x_0}{a}} + e^{-\frac{x-x_0}{a}} \right)$$

Oba ce jeghoruma ognocina na topbu Roopgunatin cultiem; obsupom na oboj opytu Triacuna bu

$$\sqrt{1+4'^2} = \frac{1}{2} \left(e^{\frac{x}{a}} + e^{-\frac{x}{a}} \right)$$

unu obsupom Ha jeigharuty 8)

une obsupom ita aperaning jegharu-

Umaru como jughtorusty

$$T \frac{dx}{db} = W$$

via je zavio

$$\frac{T}{H} = \frac{y}{\alpha}$$

unu

a obsupom Ha jeightarusty 3)

I= by

10)

Oba jegnaruna masyn ga je cuma ucitesama I y apousbonny maneu E jeg-

LIOME
LICHARA

LICHAR

9*) Ite obe-

whi y

marrain

E 14th y they to arrow them by the grant the future of the formal the following the fo

of consol

Tope of USHOROLO YEAR WIDE TO WASHELL-WE APPUSSON HE WARRE M SOUTHOUSE CA OCOM X, WE US JEGHORUSE 9*) CREGIJSE Y WY Y = Q

Tycinumo nu apema vione us vivorce M, 140 martertay, vio je gyskusta

Us apelanne jegitarinte dy= ds

cnegyje

ob=a dy

unu whitetpayyon

5= ay'+ @

Mepuno nu gypkuny ny iza og taonne t y izojoj je ta ant entara xopusonta anita taj catabuno nu ga je y'=0 s=0, tao unizes aba izonata al tao gostijano jegnanuny

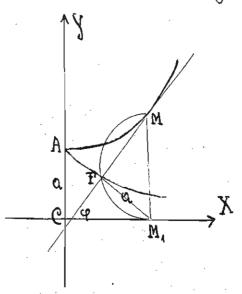
5= ay'

mu

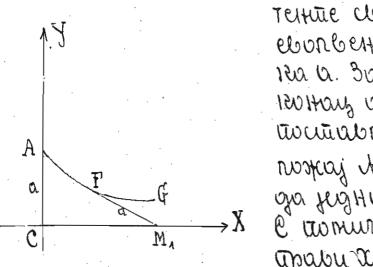
s=atgq

a tog a pegation on the gypk whom MF is a to 3Haru go the gypk who MF topegation on perstando my who man ranh mys MA. Obabujemo nu uno nan ranh mes reviranje

ca repajem y t, ta ance to the tay you will a to be the tay a to the t



mo ogbujanoem revitya. Y momentury reaga ce repaj revitya tranasau y 7, ortoga ce uraj revitya utanasau y 7, ortoga ce uraj revitacy utpunoy snoye tra manteamy y utanam M, sitanu aya je uranasa M yenturap republishe ebunbenture sa uranay q. Wantertura ebunbenture curaju itopiman ito ita utpabay M7 a ura shanu ya gyokusta M, 8 urantupa ebunbentury, a reasas je M, 8 sa chaney uranay M jeghanasa a,



Tertite charge inance ebonbertine jegitava a Samuchumo
valtaus sypkuste a inance in segitum or in segitum vapagem e tomuremo in spagem e tomuremo in spagem in spage

consoliums consoliques, in he insi apytu sepaj viruculounu jugity sepulsy 179 ine oco durk gra he investestina in sepulse

FM, yberz butan zaznarza czypkuntu izvitya, jup ce czpytu izpaj ił yberz izpehe y topabyy izvitya tij y topabyy FM, izpuba izvya ita tiaj itarun Hactiraje zabe ce

My je namo Hujghens, ūa saūo moskemo ya raskemo: eborbestūa nast-rastuye jeure Huyghens-oba

Manzanuya jegnaroia oūtopa.

us our epeneme apourpyworkanto by-

Henry variable in g. aperatorialem com

gia je nantary chypa jeghtano gersen.

Cagà hemo ga pemuno vous: apodrem: Herea ce Habe obruse regu say SWHUPINH "go je wet it apecer y counast curama uciresama. Mu saxineba- vas je us dougle do to abecon of absorbition Haray uches way I mij.

9=12T

Moun cun jedhormin

ains of suit

 $RQ\frac{dx}{dh} = H$

груга једначина за панганицу била је Hdy + Yds=0

Tge y oznazaba ottepehense jegunuse gypkink. Those variepehense y Howen cry. sajy aboaobinonhoviho abecessi 8 ' ao are a y ozhazumo aterjudpurky tieskouty manifestiques og resta te nartary of air, Hoonustoti

Y=-1/2

suma vitaj nastanj izvju je marzo gumen sitarz - memynu emo emota umo je oca y Itaiepetta apena Tope, a aeskutta natima marizama netubum aputupywina- ya gejatibyje y aputubitum amury. 30-

dy= TH ds

lo jegharme 1) chegyje 8_1

 $\frac{8}{71} = \frac{1}{11} \frac{ds}{dx}$

Ruiabumo nu oby bpegitour y jegtarutu

$$ah_{i}^{2} = \frac{16}{16}(1+A_{i,5}) qx$$

$$ah_{i}^{2} = \frac{16}{16} \frac{qx}{qp_{5}} = \frac{16}{16} \frac{qx}{qx_{5} + qh_{5}} = \frac{16}{16}$$

unu

Oba ce jeghazunta morke ogmax mtue-

corecty
$$y' = \frac{R}{R}x + C$$

Tonothumo resopquentatifu cuatem transity of the same that the property of the same of th

arcty
$$y' = \frac{R}{8}x$$

unu

$$tg\frac{R}{R}x=y'$$

unu

$$dy = \frac{\sin \frac{y}{R}x}{\cos \frac{y}{R}x} dx =$$

$$= -\frac{\lambda}{\kappa} \frac{\cos \frac{\kappa}{k} x}{-\sin \frac{\kappa}{k} x} \frac{\cos \frac{\kappa}{k} x}{\sin \frac{\kappa}{k} x}$$

Oba ce jegharenta moske ogmax entaetpucation to umaro

$$y=-\frac{x}{x}$$
 lognal cos $\frac{x}{x}x+e$

TO RUHUMU 1200 POJUM WATHU CHUMEM ARAND ARE SI ARE J=0 IT J=0

-060 je jegharusta nativatuse jegha-

s usin

$$\frac{y}{y} \propto = \frac{\pi}{2}$$

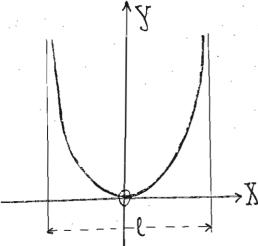
ostoga je

$$860 \frac{18}{8} x = 0$$

ia je 3 cimo u

a the share go so bpeginent $\chi = \frac{11}{2} \frac{12}{1}$

uma ranzantuja beptituzanty acuma-



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14a, an sawa sa ube
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use, og isojua se is
upema upehamonj

jegnaruntu

R=T

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abehaniu ano trobehamo mesto caeyucpurses Haapesame it. Ito vao ce ogpebetum maniepujanom stecme yrununiu. Via120 je 11 ap. 30 7603463e

15= 4800 pm 150d

ao apunuju Rano je sa Tbookhe caenju-

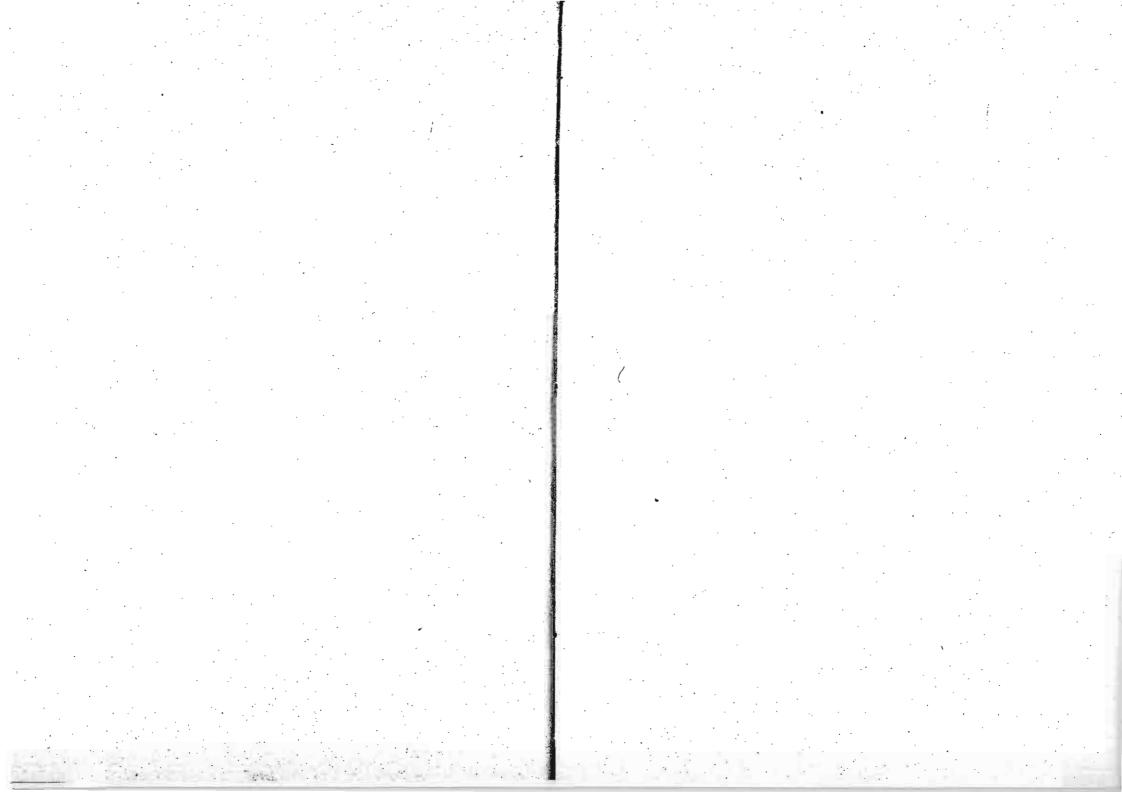
4800 ms

si air

1000 = 1/4

a ogatiojance l'obejy acumutationa $l=\overline{1}l\frac{R}{r}=1000\,\overline{n}=3140\,\mathrm{m}$

Oba gyzkusta ūpegaūabna stam ūpupog. Hy Tpastusy nastya Tbozgestor moviepu. jana. Behu pasmasz ste moztemo ca ūnm moviepujanom ga cabnagamo ūpmohy nastyja.

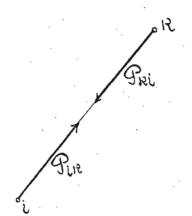


<u>Cuauura</u> Rpyuur üera.

OCHOPHU MOZMOPOM

20 caga un apeniavanabunu ga cy maniepujante vianze dopasmeniworth isoltantitantitable dist jedite unynie! uside workers in abeninominarion reayourumu in apetitionabumu ga cy mainepujanite mance apousounité unpasméminant no aboutabl na posont intophiagnito ledita sa abbita mares ga nourcolo ysajamino ogittojame ocitaje Heapomerberto Ortga he charea warren gran alstracher on Jeditam co pujon cyceghus viasarsa ca resjuma je besarra, thathe 300t thousa oba buttu Horrordho mariso od prime Athanabroux (interestrux) una, gose fe y apournom chysajy otta buna thatiagita taionness como or abe untarepite cune.

U caga he baxumu toputyun areyuje u peareyuje. Yozumo nu gbe topousbon-It toarre i u re toarevot cucinema, ino



he to catiojatu jeizita120 cat cura Pir u Pri 120juma te gre tearise
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gryty. Cure Pir u Pri
jeizitare cy aru tipotelitota tipabya u
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uctivj tipoloj. Moj vojitoc usposuhemo aitan utivisu ita vooj itarum: Itara XII Yin Zin

Sygy romannerae appe cure, a

120 MILOHER GAPYTE CURE; IND OHJA IN-

Xir + Xri=0 Yir + Yri=0 Xir + Xri=0

Obe jeghonnte rasyjy ga cy cure Pir u Pri

jeghanze a apoutubitot apabya, bana jum uspasuutu asa are ase cune asiatibyyy y uatioj apaboj. Maj he ogitoc buutu
ananutuminzu uspanen ita taaj Itaruh
asa hemo izasatu asa se soup cutaturizua momentatia obua cuna obsupom
ita taanzy 0 paban Hynu Maj se yanob
uspanen, ano ca x_i yi x_i osharuma
izoopgunatie apbe tianze, jegharunana
izoopgunatie appe tianze, jegharunana

(xi Yire - Yi Xire) + (xr Yri - Yr Xri)=0 (yi Xire - Xi Yire) + (yr Xri - Xr Yri)=0 (xi Xire - xi Xire) + (xr Xri - xr Xri)=0

Jamuchumo ga como obuse viente jegharemta

1) 42) Hatiucanu sa che motyhe reambut
Hayrije ghe u ghe vitarre toom avit partot
cucinema, aa ga como na cabpanu u
Tpu viom che cune reve gejanbyry ha patry vie uany viarrey ca viarbunu y peghy
pesynviartiny 11 vip. cune reve gejanbyry
Tha viarrey i ca viarbunu y jeghy cuny

ruje cy remaintenture ai Yi Zi, apu remy je ganène

 $X_i = X_{ia} + X_{ib} + \cdots + X_{in} + \cdots$ $Y_i = Y_{ia} + Y_{ib} + \cdots + Y_{in} + \cdots$ $X_i = X_{ia} + X_{ib} + \cdots + X_{in} + \cdots$

vitga godujamo de jegitaruite

 $\sum_{i} \mathcal{X}_{i} = 0$ $\sum_{i} \mathcal{Y}_{i} = 0$ $\sum_{i} \mathcal{X}_{i} = 0$

a namo marso led Harmes 3) doisin

 $\sum_{i} (x_{i}Y_{i} - Y_{i}X_{i}) = 0$ $\sum_{i} (y_{i}X_{i} - x_{i}Y_{i}) = 0$ $\sum_{i} (x_{i}X_{i} - x_{i}X_{i}) = 0$

Obe jegharuste wasyjy ga y sóupobu whitohertaina chux whitephux cuna, a will itanes u somitohertaina muxobux whatiohertaina jeghareu hynu.

Ha tochiotoparto treno 1400 gejutbyje carya jezjan cucitem uton-Huse curve, are the alarray i Hence peryathe state with the cours the the try warred rejumblik chote muraria browns. Hestine Die Yie Lie; vitga he ce muials cuciem Hanasunia y palstroniera ano ce organ coarea metaba marrea Hanasuna y pabitomestru. Yarobu pabitome 4) The jugite maniepyjanite invince ourse of THE COUNTY INDUSTRY OF THE PROPERTY OF THE cour cura rose the very gifutering y cha lipu apabuja pabitu ityru. Ita warzy i gejawbyje pesyrwartwa wtwep Hux cupa ca remaionentique XiYiXi u perginarhais erecatephux cura ca resmaisherhaisma Die Yie Zie, as cy siste yondou pashowerke we warke dou

> $x_i + x_{ie} = 0$ $y_i + y_{ie} = 0$ $x_i + x_{ie} = 0$

Romitoskimo appiris od opora jedinarinta

(xi Yi - yi xi) + (xi Yie - yi xie)=0

Ha ucin Horus gobujano uobe jegitaruste isoje creggyy u yuserussom uepmynioyyijom

(yi Xi-xi Yi) + (yi Xie - xi Yie)=0 (xi Xi-xi Xi) + (xi Xie - xi Xie)=0

Jamurums go uns obores jegrtarurte 6) u 7) Itaurucanu sa charey vansey cuatema ao cabpanu, vas godyams obe jegtarente

 $\sum_{i} x_{i} + \sum_{i} x_{ie} = 0$ $\sum_{i} y_{i} + \sum_{i} y_{ie} = 0$ $\sum_{i} x_{i} + \sum_{i} x_{ie} = 0$

 $(x_i x_i - y_i x_i) + \sum_i (x_i y_i e^{-y_i x_i e}) = 0$ $\sum_i (y_i x_i - x_i y_i) + \sum_i (y_i x_i e^{-x_i y_i e}) = 0$ $\sum_{i} (x_i \mathcal{I}_{i} - \alpha_i x_i) + \sum_{i} (x_i \mathcal{I}_{ie} - \alpha_i x_{ie}) = 0$

jegharme 8) u 9) Hoharito voaj obruse

 $\Sigma \chi_{e=0}$ $\Sigma \chi_{e=0}$ $\Sigma \chi_{e=0}$

LANGERC I CHO UCTYCTURU JUP CONO CO-HO BOTUMUTUTU GO CE BOUP OGHOCU HA COE ERCUTEPHE CURE HOJE GEJCTICYTY HA TO-CHONTIPIANO TIENO)

 $\sum (x y_e - y x_e) = 0$ $\sum (y x_e - x y_e) = 0$ $\sum (x x_e - x x_e) = 0$

We some phase thousand there as a sight a some of contract the contract that the contract the contract the contract that the contract the contra

patient Hype a war warre u 36 up 120 mins HEHOURA HUACOUA CIRCURIUMEURA MOMENTA wa Upumertum Berewopure arturne morke ce grangame usbabane situation yapowawa, as y non crysofy owning Tojegustu zarenyzyu uctu, anu jegstazuite gobujajų sitavino jeg nociale Huju obrus. Mu heris the jughter with congra 14a-Lucatiu n Hhmebroagin no mono gravo 1200 u gocagame. Ozharum nu cune Rose dejatelyjy nomegy travarsa i use ca Tin u Thi, beiting transportage transe i ca TE à viance 12 ca NR, vie jugharme 1) sundo jad vijajudag " + " = 0 jedmosmus s) dogniaja oqums [Mi fin] + [Mr fini]=0

a cregene jegharune umajy obe obrune fi= tia+ tie+...+ tin+... $\sum [\pi_i \dot{\gamma}_i] = 0$ 5 $\dot{\gamma}_i + \dot{\gamma}_{ie} = 0$

Usu ca it in godujamo

[vifi] + [vifie] = 0 7

Hatinmens un oparse jedhasmike) nd) sa cre marise manema ar capeberrina dopiniones

$$\sum_{i=1}^{n} + \sum_{i=1}^{n} \sum_{i=1}^{n} (1-i)^{n}$$

 $\sum [Ni Pi] + \sum [Ni Pie] = 0$

062 reducemente opurs

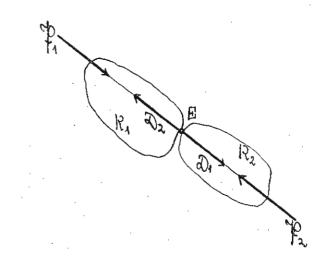
Jeghorne 10) n H) rossyjy orea naw: go beraroporu 36up erectephna una n beretoporu 36up roucobux ataaturrenx momeratia mopa butar pasan Hynn. Obu yonden pasamente mopayy butan naty-

werth 30 the genule touchampartor thema frame palifornestra. Otto he trouting and as-

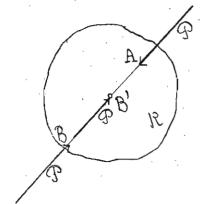
aux curva i nouso- Homestia ciamo bux construction pitga and u

numericana palsan Hynu . apehamen you were of y of bu ey ucayroen. Rag ou voa viena ouna fyzy aponasu menjusolto reputaro carijerta, ortga ou une he quere repos y crobu dune gobonitu sa pabitomesky, manzy E. 170 120120 tha goo there stucy 12pytho con- Lejanbyjy jerra 14th ce moty orepetitionin oren 3Truspu Ha jugato ièa E, uno y obom convivinj Hehe un uno- repyono aveno gle

ONEO CE TREND COCADOJU NO GOO GE MO OHOYA ANEO CY THEBAUTHU YCROBU UCna besarra H. up. jegitum 37 nasidom, un juynesti sa clares inen sa cece. Upu unsa pabitottesky ituje gobonito ga y me bana tiputaucare De isojum gejetibyupehamen icula nante esta sa sunable meno 12, 14a 12, pas your escun ephani cucatien, sep you une go Ha tiene 12, gej-curama tiena 12, a uato tiano tiputiucurbyse curva of, a Ha care De revjum gejutabyje taeno 12, Ha taeno there is cura fr, in 12 u 120 ye apenia apustyuty areyye une que une umajo la persettación jergitare ito apountation apalишту величину а прова притиску Д. разунайти експерним which wooding a funamia wend R. Barro gejewbyzy cago go respec y ucaroj apatra areno 12, esecureptre cure of a Dz og by, the se they would evijua apyta toponosu your tepus their go je verstropasu sbytey E, to he saito mohu to atiojatu pab-



une jegHarre benururte, apoutubitot apab ya, a revje nestre y ucuraj apalaj, tuo je,



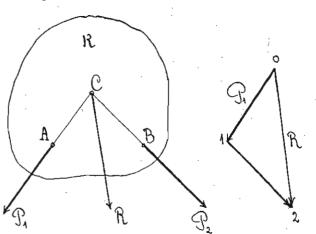
santio e ognar youtho, nouse bereange n ange nendom COHSMOM QUISNUTUSIES wa palous itymu, wa ce 3 auro vieno 12 14anorse y poblitotespeu tub. Hou-The pabitor espe itelu

Suna apperententa ray du una 9 gejundo bara y 'warren B' apabe Bt. apu wome Il marria B' apourbonita a mopa camo nesponent y apalu B.A. Baiso mospemo cha-By cury Buja gejunbyje Ha jegiho izpymo there there min y wester though come 120je gejenbyzy 140 12pyno meno chazajy upema tione y recuietopujy beretiopa resju renuse to dojoj tipaloj.

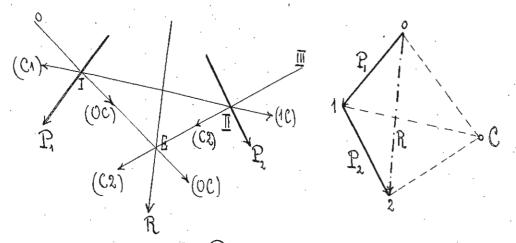
Upe 140 mis apucinyamo vaminim cryrajebuma, Jabuhemo ce cunama revy gej cuilogyy tha jegito repyras there is neske if unity publisher, the thems

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bux cura. Iterea Ita Jens 12 gejurbyjy cure บันกรุงกรมี



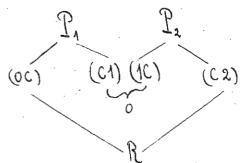
avos apabe Herra ce cerry y warren C. DH. ga moremo zamuenume ga como u jegity a grying cury womens me y try that 120 caga obe cure gejurbyjy Ha uciny Montephyanty marry the use Morkens ca construing as assessment apalaing asparenozpama y pesyntiantuy R. Ones warra l'y resjoj ce apabe obejy cuna cerey He nesku y namoj pabitutao hemo ode cure cactialutur Ha chaj Harret: 15014capying uno aplo ao nutor cunia 012 u ogissepumo vaorney & tipousbooth. Tobyrumo us C gyzkute og 1,2 u 0. abbyruno cous ot aspanento ca oc, II aupanenIN CO 1C U II III TRA PROMENTO CO 2C APROGRAMA UN TIPO DE OI U IIII OPUR CE 14 TIPECERLY Y TROVINCIO E OITOS JE TROVINCIO E JEGITO TROVINCIO.



peryntiontate R. Geryntiontata R aponosul garre 12003 thy thousey, a wester benurusta ogpeheste se aposom or 201805: Cuny P, mospehos se aposom or 201805: Cuny P, mospehos paratolutal y 120 matolieste apythistation (00) u (01), a cuny P, whospethise apospehos se apythistana (10) u (02). 3 amuchumo nu garre cuny P, annorsty y 120 matolieste (01) u (01), cuny P, aponosohy y 120 matolieste (01) u (01), cuny P, aponosohy y 120 matolieste (01) u (01), cuny P, aponosohy y 120 matolieste (01) u (01), cuny P, aponosohy y 120 matolieste (01) u (01), cuny P, aponosohy y 120 matolieste (01) u (01), cuny P, aponosohy y 120 metery y thouse (01) u (01) nexce y

ucutoj topoloj, jegotare cy a topotiulita tipalita, ita ce tottumitaliajy Octivojy como cune (oc) u (cs). Bamuchumo ga como tune obe cune topementiunu y tiarray e u y tioj tiarra e cantaliunu y jegoty pesyntiartity. Row tuto ce buzu us topementivita cuna cune (oc) u (cs) gazy sa

pesyntiantay
(02) unu R. We
mative unit mosse
mo obo Tpytiucome unit obares tipeig cuialoutiu:



OND TPEMO TO THE JEGITY CUNY TIPECO ON POCTUDIO Y QUE PONTADHEN-TE POSE NESKE CO TI OM CUNOM Y CUTUJE POSITIVA OSVOJEJ POM-TO HEHOLICA MO POJEJ CENU Y TIPOSOJ 312-OJANE CUNE UNU DITTU CO HOM TOPO-DENIH.

र्धित है का कामका का का के का के का कि निर्देश

Te jegita werta manza. Onzo H. ap. cuny

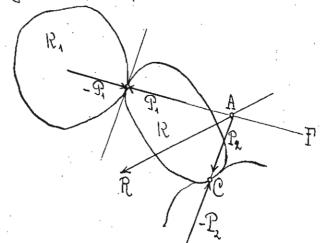
E P P P C

R bana pacinabuin y goe reomiain y goe reomiainertine og reojux
jerne traga y tipaby Et a gpytia tipanasu repos transy
e, tra hemo toturytutur obores:

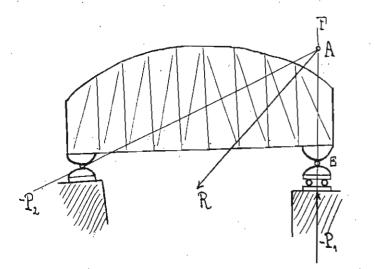
L servoir of numbersodir and E3 horodir y wjoj vita cere apaby sugarte cure R, marky & hem caviumi a marron C, sa Muchina way R tipemenninery y marry A u pacitiobutin by y goe remainmentaile Pr 12 od 180jua abba vesku i abaroj is syns job It judog y apylog a F3 umano H. Up. octubarper 12aga cuna R déjourpails mens 15 isons ce montre oistre-3 warrow p & soldente asia vitasti gugupyje jegsto gypyto treno 12, 3amuchumo on ce oba tuena gogupyny y jerzitoj mani em anicizoj liarrou bes liperos, ortiges he tiens is usus bouter to mit icare

120 ju he majarin 140 pmansto 140 mantes

ywjanthy pabhuntu opogupa u uporasuur 12003 ay uronny E. Jaura ge upaba ure



WHATO IMMY He cure ogpehenter jep je gours as EF. 3Therbase como traspe ya gaze camo traspoly pearethujy sooja aponasu sepos meta, ta je samo C marka apyte Romanterfine. 3 ans he traba the gryte remainertre Surin HC. Ca curom of topurunine were is were is, we apuntyway arryuje u peare muje gejund de ahé mêno 12, 14à were is current - In Wo warota yspora géjuiloblahe strabare C Ha vieno re cunom - P. Cure R, -P, u -P2 gypore ce 140 thery is y positioners. If meathers ce cine - 9, u - 9, soby outopu ocnorius.

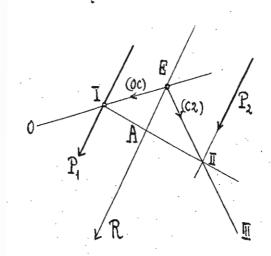


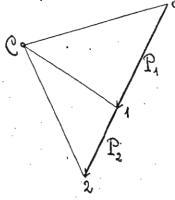
Churan chycaj umano u 1209 moutoba 1200 mino ce us voe chu-120 bugu.

rennux cura.

unin apalay.

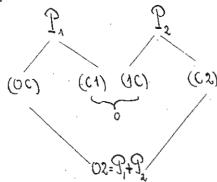
Therecomes of jerghans I, 12 jeg1 tares I, ogasepum apous onty tarry
consulption of u. 2, is the consulption of u. 2, is the consulption of the action of the contraction of the contr





U IIII TAPARERIHO CA CZ. TIPOZYKUMO NU TPODE OI U IIII GOIZ CE HE CERY Y TIANKU \mathcal{E} , TO TEOPYUMO GA PESYNTIANTIA TIPORASU 12003 TY TIANKY, GA JE TAPARERIHA CU-NAMA \mathcal{F}_{1} U \mathcal{F}_{2} U jegharea muxobom 36upy $\mathcal{F}_{1}=\mathcal{F}_{2}+\mathcal{F}_{3}$.

201205: 30 MUCRUMO CURE P, UP, apencionely He y tours I u I u cury I pacinobrety



y respect y ucing I in about I in a control of in a control of the control of the

Wo churitoutu utpoyinoba

cneguje

a us anyouth utpouther a 34 I 18 ~ 212

chegyje

$$\frac{\sqrt{11}}{\sqrt{8}} = \frac{C1}{P_2}$$

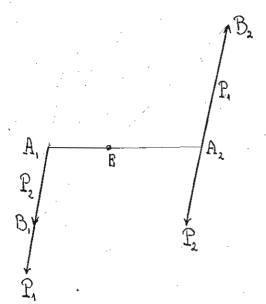
Hom 1) to goodyano

a we share you be whosepsona II togenera warmen if y whorehy we came $g, u g_2$. Topby figherenty moreone u vbures have course

$$\frac{\mathcal{R}}{\sqrt{11}} = \frac{\mathcal{R}}{\sqrt{1}} = \frac{\mathcal{R}}{\sqrt{1}} = \frac{\mathcal{R}}{\sqrt{11}} = \frac{\mathcal{R}}{\sqrt{11}}$$

Oba jeghanuha rossyje ga je oghoc Warel og wna P. P. u R apema ogwiojany gpy-Tux goejy Ha apanbepsanu Hohwanaan.

Tomohy obot peryntation mullemo 1+0jjeghowitowik kultuk pywata pe-3yntiontiy curu P. u P.: tipeceyumo Thatise mus absente marke and muse muse



tomaretyte y the thanks. apertecumo

 $A_1B_1 = P_2$ or y tipote which chuchy $A_2B_2 = P_1$

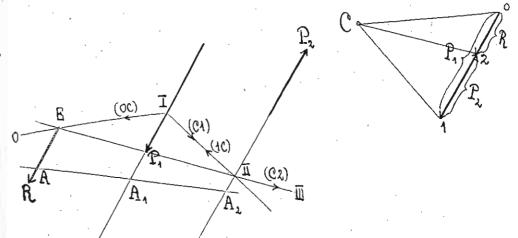
CTOJUMO TUONKY
B, U B2; OIHGO PE3YNTUONHTUO TIPOBERUSUNHA SUO-

more pros transy E. Herta benuruta jeg-Harra je 3 Supy cura P, uPz.

<u>πυθων πρωθωύ το ρυνικ θεπυκίνη.</u>

- English of Legendro of perform \mathcal{P}_{1} , is find the control of the control

Whoguno ga pesyntianta R aporasu ispos



morring & u ga je jeghanra gudpepenyuju cu na I, u I, 2018as ce

usbaha ha ucin u ha
ruh kao u y ūpeapeganabneh je upu
nozertom wemom U

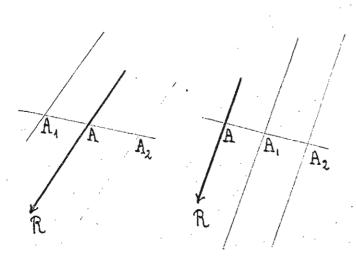
y obom ce cryeajy morke gorassamu ga areo apabye cura apeceremo apousbonyom
aparchepsarom of to, ga je ogitoc charee
og aux apujy cura apema ogcaojarny apy
Tua gbejy ita aparchepsaru revitarana

Us obe ocobunt chequie u jegitocialotta

18014cmpyreyuja pesyntian. The: abentemmo? us warne to y topaly une I CHAMMY 12/B2= P1 a ws

warre to y apolly apoallition was Tegyrunty AB,=P2, arojumo B, u B2; onga je E шагляа реоцпинальние

TegHarute 1) 120/2 cy ugestawise jezzun urundagti ac amarusarlipsi, a gosbonabogy Ham on jegity cury pa-



www.down ybe aupanemes esman-HUHTE. apecebepsonom hitz way je yoer patwo cy ream - bast Hynn Us two-

uoitestue y marieania 1, u 12 game jegita-SMOKUS

Hora apabya a as whitehsutienty jeghonée

I wom crysiajy warshe goe whe carunalajy apet i itemoty ce cacina buttur y jeighy pergrutiantity, sep ou pe-3 your astura mopana outer jeghanea the paban ityru unu isomuon entue pesyn martie public yumo che ittpu 30 upy 120 maucure apous- Hettaura obus bunitum tapak guezy una a

moia gasene us nossi ya du pesynmastwas sure palita itynu, ito us wire jour He chegy's ya ce obe cure grosse y pabetowesky, let be so years postitioneste so 12/pyitto vieno Suno va tapes 140 14 como gra beienoporen soup mux una ogrze palan Hynu pero que u soup conominseux pro-MEHANIA THUS CUMO OBSUPOIN HA JUSHY upousbootity warmy O byge pabon this nu. Ogradepino jegity wareby wpouspowity marriey o isoja neska a bopitana doux goefy "una", ortigia cy berettupu 120ju tipeyatialowijy atataturre mo-MEHITE YOUR CUMA ITOPMANITU HA TRY palituty garre aupanenti metry abson. Sauto mostremo reag ux cadepe-THE PORYHOUTH COME OR YOUXCOUM Ustre ett die ett uma. Ustre ensuret citicin whether come of obsupon in ne u oganojama varre o og upabe uie cune, garene Ge, ustilensuiveri cui autiurrevi momentina apyte cure

jeghon je -9_2e_2 jep 30012pehe y ūpoūubitom cmucny, 36up cūcuūunzux momeriaña ūux cuna jeghon je $9_1e_1 - 9_2e_2$

ej osnosi unu

F, = P2

Mess en consta volume ca M, segment en constantes

M=9, (e,-ea) =-9, 5

Obaj pesyntiant godunu bucho sa charey marrey O jep reas was bugum y my jegharuny yrasu camo ogatojanot time una a me oguinjante tiar-126 O as your Caramenson momentain aschampantoi capeta je apenia aiome sa coarsi. moussi a baptine isourcementaine u jeghor upogyriay whitestoutena une a ogatiojanem. Y Hamen crysaun and thousant action of HO PA une sourpehy y muchy apoaulitum creasianoire ita cariay. Waj uniorumen 300 so autros à solos sum 14 mis Homan une 14 aprile à pabitouerla Obareobe

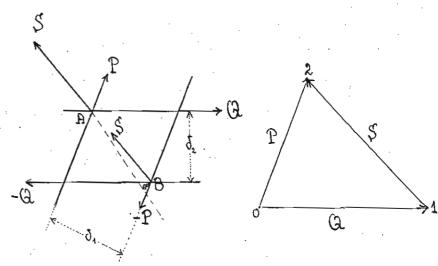
que une uniota ustriensurierra, à apa lipertenerite a apounditor apalya izuje ce upenia upehanimen ne mory giance pegyrrobatin sobemo capetom. Momeriati ans arm cost of right capeta isom to some ao 12 as an apogysou white ensurement une a nuxulum oguavjanem He 3abuch thems thome or wharve opligettwayye y pashum.

26a capeta umajy ucaru cara-TIWNELL MOMERICUTE GANG LESKE & LUTTOS postutu ans zaviepetry y ucitione. chuchy a voco je apogyniona une ca ogunojanem sa oba capeta unia. Tilopgrimo ga cy goa capeta 120ja neske y uatoj pastutu u umajy uatu atain which was exposed an extension the-120 garre capeadon 9-9, a-a uma L' morraman nemeration is. P6,=Q6,

Paatisleume carga uny I y gle resmão timbreux momentation mesurtux resmão-

hems y work FUHY ana any J= 02, 150003

many



O tobyhu topaneny as amon & a Haru-Hutil 01=0 ; cavjumo nu 1 ca 2 au gobu jamo gpyty romannentay une 9. 3 amu cruis cury & apertecenty y mon-By I a pacifiabresty y the goe isoman-HUHTE: cina 9 je pergnaantaa cine a u aine S. Che tipu cure gejatelyjy cargo y namoj warren t wa sawo warworke monerant pergramantiel obsupoin the county appropping transf bop-1) Huse mopa duan jegitare soupy was-HETTER OG 120 jua de jegsta jegstara unu statut. Ogasepen nu 1200 tay taanky a. The hero use cut ita vogi thanks! Osabon ita vogi usunus cut uta vogi. D invariation consumely bigosi at moducego

MOMENTALE warry B, we be ogaingance une 9 og aanné 10 jegnan 6, ogasjanve une a og vanne o jughtones 62. Ositarumo nu oguavjance une & og trance B on x, the mapping activities if x as 98, = Q & + \$x

Jomemo nu y obsup jegharunty 1) was is age unu quid Sx=0

uru

 $\mathcal{X}=0$

a the short go that I thought out is the worky B. Mu con garene og apehani-net cuaiema cura P-9 a-a goburn obaj Q S -9 Euna & apohasu repos marky B ta je y moj marrou moskemo cacimalonian ca cunum - P. Obe cure you-

-w ans wast. D- M cirem cursa P-9 шрансформисали -en en es atun coss getre were lougu

y cultiem Q-Q. Botto je cucia en P-P erzbu banestians cucinemy a-a. Obaj vy Huc Ruju ano anja usbesu basku sa cryvajebe ans le apablym una In a cerry. One y cune aapanenite a uma-Jy name attaiturne momenture, onga hemo Minimosonios homos homosonios Ha vooj Harun: Herra Syge garrie Po1= als apeceyumo oda corpeta ca Jegnum. capetom WOSI N-N uma utitu www. J. Ru mome-

Havi 12as u tipba gos. Nans je Poj=Uo3 tio je ctipet P-P erebubanchtivan ctipety

W-W

a ranos je

adz-Udz

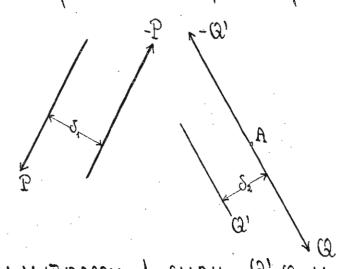
was je capet Q-Q erebuloan ertwart capety N-No Q-Q≗U-U

Us use goe endulvanentyuje chevytyte endubanentyuja cūpeīusa P-P=a-a

<u>Cautalonance jeghota cape</u> <u>ia ca jeghom curom 120ja rezhu</u> y palohuhu capeta.

cury a banca cacutabutu ca capeton P-P region P-P motego

apehannoem samentuan ca coaneum capetom hetobe pabituthe reogn uma unan catarumteu momentari.



Hagoberkens nu y transa t cury - Q' a y ogutojanoy of cury Q tra Herra Oyze usttrensmient cure Q' jezstan curu Q tij CA CATIONAUNCH MOMENTAUM CAPETOR G'-G' feig
170,72 UTIONAUNCH MOMENTAU CAPETOR $G'O_2 = GO_4$ CHYGA MOSHEMO CAPET G-G SOMENHUMU CAR

CAPETOM G'-G' WANN CHO Y MECTIC CHIMENA

GOSUNU CHUTE EM G'-G' GCHIRE G U-G' YHUMINGODONY CE UTOR SOMEO

Cune (A u - Q' yrthuinastrafy ce va son vairy cano cuna (Q'. P - P Q Tuntator vieparjuja apergatiatomenta fe y Q' - Q' Q vloj memu Vsharum mome Hani capeta P - P ca M vi j. P G = M

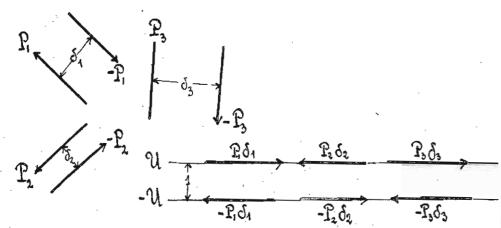
unsjudy au

 $\delta_2 = \frac{M}{M}$

Umano nu apena vione cuny a ga chomento ca jughtum capetom momentia M, vio gobujano von perynitati viora cavialobana ovieti cuny a 140 120/12 ce couga Harrish y grytom as northajy, as y yornesta og arbot as northaja 3a y yrkuty $\frac{1}{4}$. Ha kojy utrontu og arbot as northaga resku itob as northaj une a as sabulu og arucha saverettana arpeta a a.

Cacinabrane apous bountora Jpoja capetoloa roju respe u uain palituitu

Tophamo a boghmen anx cabe Toba gle apabe U u-U resjux je vyutojanve jeghanes jegununu. Omga muskemo. capet 9, -9, samenutur ca capeton cuna



9,6, -9,6, kop reske y apabum U-U. Ucao marso nuscemo cuper 9, -9, samerum ca

capeton cuna 9262 - 9262 noke negle y apa bun U-U; Capei P3-P3 ca caperon P3 83 -9383; u vi g Carga morremo che cune y apaboj U u - U chospaniu y gbe pesynπ ανήπε applie he gentre cury R = 9.6, + 9.6, + 9.5, + 9.5, + ...

a une apale - U gahe ucay a arroby cury camo apoutubitora apaloga, gase re diry -R. Biston and che carpétable 30-MEHUM CA jeghum jegunum rogu uma momentaria

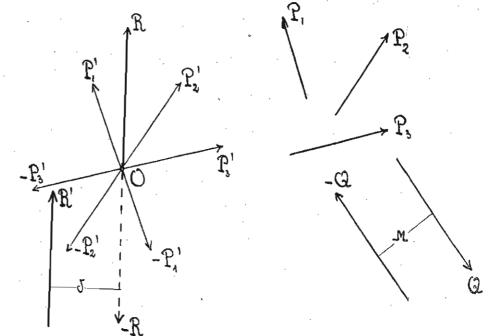
 $M = R \cdot 1 = \mathcal{G}_1 \delta_1 + \mathcal{G}_2 \delta_3 + \mathcal{G}_3 \delta_3 + \cdots$ Osharumo me momentari capeta 9,-9, ca M, capeta P2-P2 co M2 u ta. y tao us apelaninet chegyje ga je

M=M,+M2+M3+... Baroa garene como ationtiurre momentthe suggisture capetalor cappoint in 1801compyrication Jegan apous borons capet società le caratament momentata jugitare. soupy apelianimus anomemens mome. Harria.

Orman chyraj camalonana cuna roje gejenlogy y ucino poloteno.

Dana nu cautialutuu cune

I, I, I, og kojua moty to goe suitutuu apetobe, to hem toutuytuutu tha
obaj Hotuh Y pabhutu tuaa cuna
ogasepumo jegity pegyneujuuty tuar1ey 0; kpos taang pegyneujuuty tuar1ey 0; kpos taang taang u benutu1tu Jeghanea cunu I, u uutuy taaneby
cuny 1to tapatubitat tapabiya I; taa
muskemo yeuhutu tep ce obe goe cune
musa cmo ua hangob esanu y taanau
O mehycooto taituutuutubajy taa 1te me-



na. Vario transo Haz obeskumo any P' Rofo se to trabby u benuzustu jezhorea
anu P. u any - P.' u ti y trume ce
trebanizou autem rospe se erebubanesttuo. Hobu autem rospemo asga paatasbutu y goe Tryte: Cuna P. u - P.' corububayy segast apet, uato transo ane
P. u - P.' y u T. y. Octrosy jou y
aorra O ane P. P.'P.' ... Capetobe mo-

Thems commonwer i hospitaljuhu capet Q-Q caraturizot momentaia M' a cure 9'9293 ··· reve gejatebyzy de y unioj vianku O moskemo cacitiabutil. y jegyty pesyntrantay R. Thanso and go-Suru caya ras pesyntiani jegyly jegu-Ity cury K u jegant jeguntu capet M. Obo goije mizy ce où eu cautabute sajey-170, aa hemo goduaru apema apehaniwen ison besimman fedith ledmin onny R' 120 ya je to benwrutu u tipaliyy jugitioner curu R a revia le granesta og worre O sa benuruty

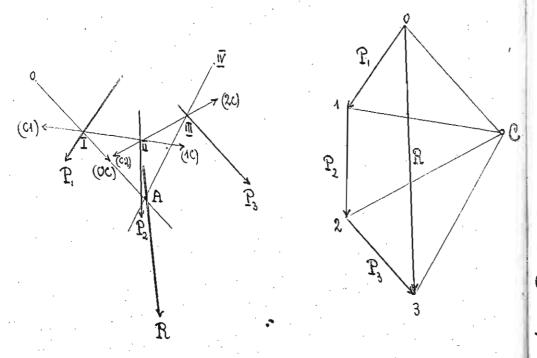
aperguacionesto se y cneizenoj menu

20 conjance cacinabriance cum "-9' = 9' -9' ... 9'9'9'...

-un personder in cautabound mu-Tyho cy oba retaupu chyroja: vitga ce sagante cure aposte y pavito-JUSHU! RZO OHOJA pergnayje cuna R revja uze repuz bedarshmith warren o OITGE BOUGOSTE CURE GRAJY JUGOST CAPET 180juis je momentais jughtane M; ostoja pergruingje jegsta cuma R' regja Je yganetta og pegyserswite trance sa gystemty

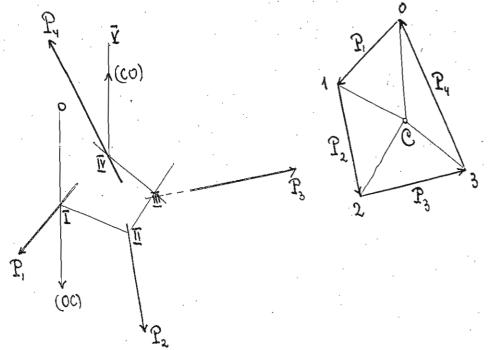
<u>Eura y pabituitu</u>.

Caunabama vanuton una 0123, ogadepama vacodorund una co, va - va co, D yannen va co co, II vaparento ca co, III vapanento ca co, III vapa-



шильтен зе и у припоженој шеми.

Hoke ce gecumu chysaj ga je achuruh cuna sambopen 1200 H. up. y chegehem chysajy Cuna (oc) use 1200 I a cuna (co) 12003 I ; otte cy 12003 I a cuna (co) 12003 I ; otte cy 120040 ito apatulitus apatul



itotaesky cura y pobstutu je tipema tiome ga u tiprutost cura 0123... u bepuskstu tionutoti 0IIII... byzy satibopenu. Mema sa Tophou tipumep burabi

(OC) (C1) (IC) (C2) (2C) (C3) (3C) (C0)

Cautalonance una y palo-HUHU UDMONY paryha.

Here by sagane hat agine warre sugantus and look by oxferent tomory operation x_iy_i , x_iy_i , x_3y_3

 $\mathcal{X}_{i} = \mathcal{P}_{i} \cos(\alpha \mathcal{P}_{i})$ $\mathcal{X}_{i} = \mathcal{P}_{i} \cos(\alpha \mathcal{P}_{i})$...

 $y_1 = P_1 \sin(xP_1)$ $y_2 = P_2 \sin(xP_2)$. **Koma** OHEHTIA R_{∞} HUXOBE PESYNTIANTIE OGPEBELLA LE USPASOM

 $R_{x} = \mathcal{I}_{4} + \mathcal{I}_{2} + \mathcal{I}_{3} + \cdots =$

$$= \sum_{i} x_{i} =$$

$$= \sum_{i} P_{i} con(xP_{i})$$

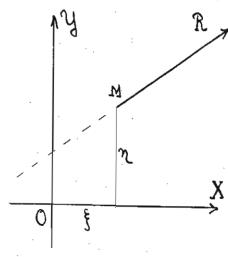
a revinition tention $R_y = Y_1 + Y_2 + Y_3 + \cdots$ $= \sum_{i} Y_i = \sum_{i} Y_i \sin(\alpha Y_i)$

Ulturensumen pergramantare jeghan je $R = \sqrt{R_x^2 + R_y^2}$

a year with the pergration that ca ocom x solution by each to fed the solution $\cos(xR) = \frac{Rx}{R}$

trantère Ozharumo mua d'u & 1800 par-

Havie upousboonte warme of pesyntiantue, aa ysmemo nu y obsup ga wiationteu momentati obsupom ita warmy Omo pa butu jeghtane soupy wiatiungua momentatia saga-



Hux cura, the goody ame oby jeghanusy $\xi R_{x} - \eta R_{y} = \sum_{i} (x_{i} Y_{i} - y_{i} x_{i})$

unu

$$N = \frac{R_y}{R_x} \xi - \frac{1}{R_x} \sum_{i} (\alpha_i y_i - y_i x_i)$$

Hay Tog Nu & say sourabayy obum youbuma ortga warna M resjy orth orphetyly refer y apabe y resjuiabna tram topona propose y resjoj gejanovje pesynwartwa.

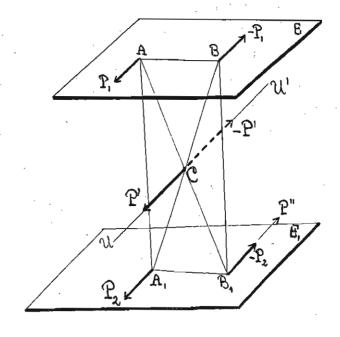
CMOMURO CURO 4 THOMOpy roje gejunioujy Ha jegho alo-OSGIN ONLYGSI OHPOO

<u>Euperolou y upouropy</u>.

y pabytutu & Herea gejunbyje capet P.-P. apojeyupajno anj caper y jegity aupanenty pasituty apoly E, the go-byjams aper 92-92. Alpgums bys you ba glow capeta monzop go he neske y ucinoj pastilitu ensulsaneitanta Espes. arolygum repos morrey c feethy apaby aupanenty is unon I, as partiable. no cury Ti y goe aaparerite roman-HENTIE OG 120jux fegita juge 12pos avas-Ry C (031702 Who jy va P'), a gpyra 12poz oganzne

marry B. Upema sansorty o cacitabra · my u pac-LANDURUM aupanentua una uma--0 syptic and by jegHoru-

CB, HB,



unu

IN RONE TIANNA C TONDOU GYSKUNTY AB, sj aw

9'= 29

Romannertua y marron B, : 9" ogpeherra je penaujujum

unu

34402-3000 jep 120 mit 014 estata y B, mopa o umañ u grytu apabais og une \mathcal{F}_{λ} jep 0-ba resku usban nestua gbesy 120 mit 014e-traña Ito 120120 je 3502 apojerensuje $\mathcal{F}_{\lambda} = \mathcal{F}_{\lambda}^{2}$

in je

P" = -P.

Mu ans garene auni P, somehuru ca
P, aurom P' 120ja gejanbyse y

-92 gejanbyse y morru B, Baanabuns ru 140 uanu 140244 auny -P, 120ja

gejanbyse y morru B y gbe naparente
12014000 y gbe naparente
12014000 y gbe naparente
12014000 y gbe naparente
1201400 y guiarra y morru H, mo he
120140 y auru 140244 1200 u ape y mor120140 uanu 140244 1200 u ape y mor12016 y morru 120140 y morru

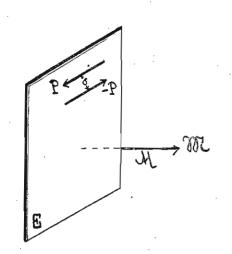
-P, Ru H, 120140 y entiny P2. Apbe

garene ca retaupu 1406 g'-g'g, flo
120120 tipbe abe gejctabyy y uctary
taverne c tipbe abe gejctabyyy y uctary
taverne c tipbe abe gejctabyyy y uctary
taverne c tipbe abe gejctabyyy y uctary
tipe
taverne gour como appyte abe, to cy tipe
ma tave cune g,-g, erebubanentinte
curuma g, g,
tipantapopma
yuja tiva cuna tipegatab
nerta je y uboj

about shot meum. Mu cho tipe government ga tipei 9.-9, musièmes samestime ca apourssum issus 3 struttered moisgais muttored apourbonity opujestaayujy u ogazajave cura camo pero je votio caran in-BU MOMEHOUT JUSHANE CITICATURISUM MUmenting cura 9, -9, a jus natus booken u sa capet 92-92 revyu moskemo samertuun ca apous bonotto opujesta upastum caperon padhute E, , in samo mostremo' opa 1200xemo: gla capeta 120xu gejemony y apparentum palitumania

a umajy unie circulturre momentine cy enbulgarentinta

Suppose Tormodogii atolo CVI supose sipose si ago si personogii atomo si ago si petro sipose sipose



pom No 140 chaj 140cut: y pabhutu e 12040 se apourbonito. 12040 se apourbonito. 12040 se apourbonito. 12040 se apour 9-9. 1200 se apourbonito. 1400 se apourbonito. 1400 se apourbonito.

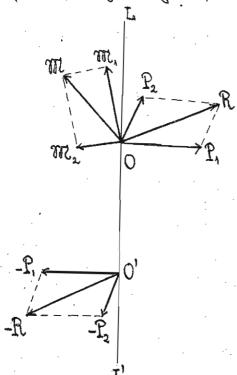
88=M

Opujertumiemo un y apouse onity aonon apocaropa fedori personal som arrohn apolito ita papitant se bapitante ca

we windiporto capea 9-9 sourepetre y trosumulitor conucry a respector be retirent. surrem of jughan consumum rument and how was personal son most and how aepusyje astalym capet 9-9. Maj berz-THOM IN MOTHERIA THOUS CONTINUE. Hyrain y apocaropy He merosyyhu we-Tuby opyjentuanjujų, jep u pabituty E capeta 9-9 muxemo aispanento camy ceón y apocaopy asmohu. Whachzumem M gibbbbohit je reputiepujym -dog jobsnow julys) h E-E isdo ne HUHU Jep waj caper moskemo samertuun ca charren capeton neture pal-HUH POOK UMO WATU CITICATUROU MOmethodis. Bereutop Mi Hasubano ocom capeta. Maj bereniop se chodogian beremujo. Cuna vioja gejanozije ma vepyma me in there are all the congoins of the То венгитор попи се тоже сато у својој ира. by tromeputini. Curva resjor gejutibyje ita jugity mainepujanity marky je besan beieniop Ha vioj viarrou.

respe y pabhuhama roje ce cerey.

Palethente vocanouiparta glos vipeta 14120 ce cerzy y apalogi L'a! Oga-Sepuno y vioj apalogi glos viarre Ou O'



rojux je ogunijawe jeghans jegu-14mila OItoja moskemo cuper appe paliture samethe will ca capetom 4? -9, regions une abovare 1shos mar Re O u O' u cuive 140 by over 1400 1400 www. "xx" (now Je H. ap. pabhunta count jeghonson

pabhitu aposta capeta as apeda camo benusuny P, ogaspara aanso ga je

The series was asson the series of the series and the series as the series of the series of the series as the series as

Top je M. caraturku momentata apytota capeta 1800 cm 140 ataj 140 cm 30 ga14 capeta be 30 menunu ca capetabuma
P. - P. u P. - P., origa moncemo oba aba
capeta rotanto cacatabutate y jegan,
sep abe u abe cune aejcatbyjy caga y
ucatoj atornu. Ob 30 20 try arpanenoTrama cnersobahe 1800 pesyntiata
capet R-R. I warajmo caga y 180 20 to
ogitocy catoju 140 capet apema 30-

youture sagaite aperde durie of 1510 housement con marchant sonma, an apertecumo nouxube oce y warrey O. Oca M. apouta capeta caryu. HOPMONITO Ha publicuty cruse, Haveperta je usa pabrimire course, a wen momentary M, taota capeta, governe jeg-HOR CURL P. Oca M. Caroju Hopmanito Ha publichly appor capera, some Me, caroju itopinanito ita P. Ulua viano oca Me apytiota capeta caroju Hopmanito 140 cunu 92 a vote vice conje cem tuvia HOPMONITO ITA apabaj &X! WHILEMOU. went appe oce je P, a spyre P. Hornstuno quiatorany tapanenotpama mão Ta the goe oce otpaniusabajy tha gujaioHoina Hena byge M. aapanens-Tham or parturest curama 9, 492 nexu y wary pashutu itopmanty ita apa by XX, now u apparent pan orpa-Huzer (curama) ocama M, u M, Citapa He was asparenotpana of jesthouse

this where you men on m, feight one je I, a US Mz jerzhanz je 92; cem urvia cy unpa-1th apartir aupanenispania Hopman-He Ha companione applied, wa cy south una gla unpunentipama revitipyeriu-Ha como de aprim , sansob estino sa 200 прета проот. Помаленто пи прета wine upou sa 90° as he ce usa aupa nenotpama torenotumu 3000 tota he uturensumen bermopa M outer jez-HONE WHITEHOUTERTY CLINE R, a cem with attopic benetition me itopomanito tha palotutu capeta R-R. Pesynagyyhu capel uma cacataumou momentata M=R.00'=R

Bereitop 88 wight Hopmanito ita pab-HUHU itota cit peta, uma untitettatuteti 1203U Je Jeghan citaturnom momentary capeta R-R u Hatepen Je Ita ony citapa-Ity pabhante ca nose tocmatipanto sab-12pehe tiaj capet y to suti ubitom conucry. Batio Itam bereitop 88 tipezatialora ocy peryntinjyhet capeta. Etipetobe 9, 9, u 9, 9, moine and apena thome cacitialoutiu 17a tilaj 14azur ga como rouscobe one M, u M, cantiaburie to sarrolly Japanenotpania y ory Mr. Wa Ham oca altoir 1500 hours et months account to bestin

vizzighu capet R-R.

With basku za zba cupeta ba-Hu u sa tapu, retaupu, ... da satas moopens que reaspens: capearou ce cacitabroajy trans go ce rouxube oce cactual ridgy to survity tapan enotpa ma House's cy oce crusogitu bentinopu' та их тожемо према тоже пренети y naty thanky a constitute origin to и годинатим правилима спихими сиna verje gejetibyzy Ha utily transy. Umans in apenia arome apous burian Spy capetaga abril estaracastax abonsbooths y apounopy, us he chance by nous Suin Responsitiopusobast ans HOM SLYGY TO SHOUTE UCE COONEUTO UTPEna , a oca coareota cupeta tos Hatia HOM JE and Sygy abstrate typu werte

120 Marchae Mar, My, Mr, as he apenia wome somwithertie oce perynaryjyhet capeta Mx, My, M2 Sware vypehere jeg-1402UHUMA

 $M^{\infty} = \sum M^{\infty}$ My = 2 My Mz= E Mz

There is our eyes in personally in bereator. Utilettauren verobe oce una verob ana. in sier Momentain M jeghan je

W = / N2 + M2 + M2

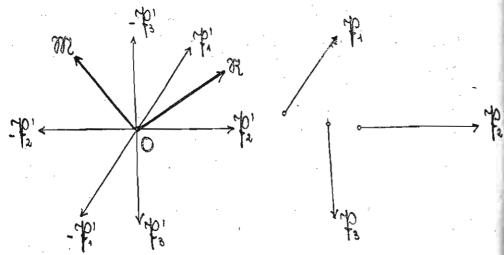
a netuba ou ramboupa ca moopqu-Hautitum ocama ytrobe game jegita. SMOHUS

 $CM(x, M) = \frac{M}{M}$ $cm(A'W) = \frac{WA}{M}$ $CWS(x, M) = \frac{Mx}{M}$

was to oco Hopman Ha Habitutu cupera, ira Je samo u opujertanoujuja palotute pesynagyyher capeia availyth bypebetta.

<u>Orman chisaj camappami</u>

Ha to constiposo repute tiero itero gejutiológia teposocionis une ofi, fe, ...



ogasepuno sasità abonspovità arous a 150M' pe ab abertecamo à sost crus to, 150A 150M' pe aboposta n' peditisationes co 150M' pe aboposta n' peditisationes about est 150M' pe aboposta n' peditisationes a periodiciones about est 150M' pe aboposta n' peditisationes a peditisationes about est 150M' pe aboposta n' peditisationes a periodiciones about est 150M' pe aboposta n' peditisationes aboposta n'

ru cucinem curis in abenecoum à mis warren and - b, isoka ce a anom bi es u converise au aail esteraumhau outranum cunama. Hobbyvoujemu cuwhen wine buke exbubanestion sa gaston, the te markens oboses theticaun: cure of of of the originalymy of anne - 1/2, - 1/2, - 1/2, - carurodoayy a unama 1, 1, 1, 1, ... cape-Tobe a une caperobe moscemo cacia aburin y jegan peryntryjyhu cipet 0ca tuvia peryntyjyhet cipeta Herra byge M, tra izanza je tala oca chobogan bereutop tus by moskems apousbonito asmarehymu y apocaropy; moremo zy garene Hagobesianu i y marry O, va je samo sagastu cucinem cuma pegy. RUDONI Ita jugity way of Ruja gejcitiby. Je y marku O u Ha jegan capet isoguje They was new own Is the Tryaucone una upequiabrem se y creizeroj memu

Ottola ch martha you seambn cutsaja:

Ottola orada baphoaresta:

Si St SO St = 0

Ottola ce maren date berdherpamn tha

Jedith Jedinth mund st sinja abouarn sebis

Inassen O!

St = 0 St 50

OHJO PESYNTAYSE JEGON CAPET APEGUÃOS.

NOH OCUM ME 1809M MORREMO APOUSOUNHO

OPUJENTALICONAL Y APOCIANOS.

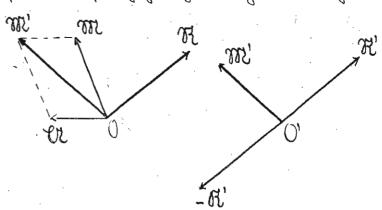
40 MESO MESO

Ca voum hemo ce crysajem cireyujan-

Hu charen che peditorin the court of the cou

mo consa ga nu he ce taoj tuta tipomentutu ano tiomepumo pegynenjuony taoriey O. Ogasepu- mi _m

gasepuno jegity apousbonny aancy 0', aa ita goberkuno y noj



wry R revja je to benuzusti u apabyy jeghanea with it is you ce without thometwo cury - R'. Caga je cucinem vy voe tapu cure M, M, -M' u injetie Me erebubienertaient sur gastom. Cure R' u - R' cossumployy carga jegan capet. Our tavia capeta neva byge Or, the troy capet moreone cactical with as apeton apequation of the Jesyntholishe to soverity tuponentpana oca M 120 M Mostremo i aborarobi abons. CONITO TOMERUTU U HOIZUSESCUTU Y TURE. 1240. Marso je vaga suitab cucitém pegyrevbast tha cury of a the ocy of ca

Spyrom pegynsizusitom wasisom 0' tha pegynsizusitom wasisom 0' tha pegynsizusitom wasisom 0' tha pegynsizusitom wasisom 0' tha pegynsizusitom wasisom o' the wasisom o' the pegynsizusitom of the pegynsizusitom wasisom o' that pegynsizusitom wasisom o' the pegynsizusitom wasisom o' that pegynsizusitom wasisom o' the pegynsizusitom o' th

Tomepowen pegypeywith thorse O THE mens ce cura H, other to the thorse with thorse with thorse with thorse with thorse with the thorse with the topology u benusuhu. I will the perynthem there was pegypeywith the topology with the thorse was apostology to the total the parentux topology if the topology u rever thorse perynthemal thorse perynthemal the topology u perynthemal topology to the topology to the topology upology to the topology to the topol

Tritary mo con 180100 ce menso o 3ynarontare of twoca 982 ara tromeprimo pergysenjuonty taos gygape ce, jergitom
sy. Sa clossy taonsy tipale of 1800 pegynerywny taonsy godinu bucho 1800
cuitaem 30yontus
una pergyseolo auna pergyseolo a-

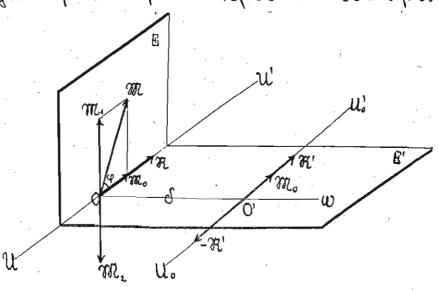
M. Nomepuno nu garene pergyrenzuory morrey y apologi R', ao ce oca m He mey usin some of the certain and y comepuno y apoloj R. Ho sum jy aomepumo us the tipabe H tip us thanke Oy itarrey 0' una ce ogman mensa una cuarema capetula. The oce M voge ogtobapajy chuma ausrama apocatopa isao pegyržyushum thanzama 300 emis sajegito 1204. Rypwm, in hemo corga ucinimuloriun OCOOLINE WOW BOHRYPCA TOMEPONEM mange O mensa ce granene our Mi tro ipably a benurusta, a peryntiasta or ce He Meros, tra he zouto Sutiu mozyhe pegypeyworty warrey O warro womenum ga apabyu oce Me 120jy hence usita ruma ca Mo a pe-3 your contract of two

une the feelth count of a feelest cake 150%. ta je pabituma itopinanita ita pesyntiaming of jep ce apabais oce avota capeta Togygapa ca apabyem the perynthanthe this into jugité une u capeta itopmen. HOTA HÀ my cury sube ce subparano (torseur, Schraube). Tomepanio nu carga wares arrang beathermonth warren of y apabyy of uni y apabyy Mo, air ce uine Hehe apomettuan ana Ru M. are he of during many so the transe apabe uil. Thy apaby aparapa soxa uma try ocollisty grace sa closey roe-Ity warring row pergyreyworty warring ouwiem zaganux cura pegynerzie Ha jeyou subpliant suberno yestupanitor surus surgentos cucirema cura.

Dutiojno corga 120120 hemo ogpegutu tonozkoj tae yentipanik oce
arzo cy itam cure zazark. Ogabepumo tipousbonity tiarney 0, ta perzyszyjmo timohy we cultiem cure ita pezyntiartay & u oy M. Oite Herro zatioa

payy year q. Donoxum 12pos nuxure apa-

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HUHY · E' 120/19 je 140 pmontos tra podstuty E. Y tuj e sice al policy analytical is 140 pmanita ita tipaly peryntalature of. Odagebrium i ari abapai ledit arawer 0, The principal of my curry of reason is were essertified intersering in physicial are Il u gra ce Hebu cucia em apomentos cuny - M. Cine M u - M. con unochazy zigan asper. UBHORUMO nu ogutiojane 00' ca d, tio je oca with capeta M. Hopmanita Ita publikuty ¿ u Hatieperra apeina gone. Hagoberku no jy y morry O. Utheren sumen the oce

M2= RS

Pautabumo ory me y gle optivionite 150 MINOHONTUR

Mo=Mwsq Mi= H sma

Corgo uno interestamente ostronum un nowweath conforms. Mis morrens ogutilique d'unine O moiso ogaspoutin ga oua M. uspera M-M' Sylve to apabigy a benususta jughtanza ocu M, 170 apositubita anucha. Ottoja he ce obe the oce to Huminimi, to he is rundoit cuwiena peryntialoute peryntiantais of n on M. with wiskems aswellmen it marky 0' u koka he ce asogygapana ca pesyntiantain. Marrea O bute garene marka yestupanse oce cucinema tio he bu on order consistent como interestamento oce Wi git l'enzytoir mtimens minemit nou M' ūj ans Oygi burs

Ro = Mmcq

S= M rima

Will am mores oghed my new my & 120ja je Topsbum jeghoruhoma jeg-HOSHORHO gentepmentupanta, a us tipalma one M, ogpehen se u apoundant apabour oce M2, the strame the reefy comparty marrie O y apolly Ow bank aperteum benusuny d. Saud moskem jegitustiaritu odbedmin rounder Restribavité oce nong Logagama M, pegyneryuja anderwiped Ha je y douj m. menu.

. Objanito, moskemo, ano man je zaganta yestapanita oca u.u. u zaganto A u M. ogpegumu mun kozu ogtobapa chareoj apousbourioj marrou o apoimopa. Y ibarey marku apounopa octuaje of the pomements a M roje vatiba. pa marker o ogpeguheno ita ubaj ita-O provide per early amospeanas : Huis

n 15603 Mertabourth and nong boryment E', is annoxumo y trainer où, '3 ¿ itopmanito ita pabitumy ¿, a aupanentry yestupanty ou ; to ou m nextu y try pastuitu, oita satubapa ca apabon u'u' y revjoy ce obe probheme cercy your q. tra je

tgq=M1

mm

$$tg\varphi = \frac{R\delta}{M_0} = \frac{R}{M_0}\delta$$

indirention of the constance was une

150 hr & 2010 04, mo ge

ty 9 = 120

Mous ce buine ogninemo og mar-12e 0' unu og yestrapanste oce, an fe yaar u zaarbapa ca Testepanipucum yaa q. lianof the behu. Y izertuipanituj our je ia aj year paran Hym. Yenry gapene now equility of the se all the second of the 124 O. Ustrieris unieni M me oce ogpezen MOHUNDHOUND SÍ

M= Mo

Ourmens un obs Menmbravité ace ferdans isbakeita mannidate isostra se bardinic Jed Hars of in fe 3a che marise wivin yumyston yrw 9 unto ta 000 M2 300 woopa ca Tenepa-

hair y warren o dod nbite ara w wait inner tach 120 0" una una oguiojane o og yenuipante oce, ua samo oca M" revia votoba pa wy warku wantupa yurungep u satibapa ca Teftepatipucon your q. tio baseu sa che viarre vivia yunustypa, via

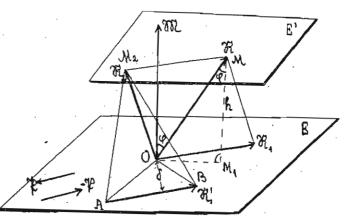
MODULAN

The sure states of the state of

EDBON CUCIER CUMA 1803/2 YOUNG 140 andogito ispytio there musicens it decun util d'april atori atori atoria pegyneoloum Ha jugity tojegunarity anny i ita jegan capet. Mehyurum ogtobapa doune cuationy camo jegna ogpe-Detta apoloa apounopa, mu cono sy 14asleanu yestapantom own, leaja uma try ocoduny go sa che nette warne izao pegyreywite warne unjegustanta cuna u ous inpera umayy wind apabay tus per amos soprobation institution modern the orbetter operation beginning

H u jegiha voppeherra bpegitoui ve mi soja ce ca tipologem tie pesyntiantie toggapa laga hemo tipologem tie pesyntiantie ce cuciiem cuna moske ita becrepajito mitoto itarusta pegyreobatu u ita ope cune sojux ce tipolog yreputurijy. Ysmumo ga como tipolog yreputurijy. Ysmumo ga como tipolog yreputurijy. Ysmumo ga como tipolog yreputurije bosoite pegyreobatu u ita ope bosoite pegyreobatu i itarike pegyreobatu. Ita tiojegunarity cuny on u capet sevjeta je oca jegitare or u como sa tipome yestatipanite oce

syntaansyntaansyntaannuises anuises a-



me of jegly partury & revise to that a rentra parturn &. Ogativjance obejy parturna Henra byge h. Pactual umo

cay cury & y gle revisionerture og revjust je jeigsta R, cacleum tipousbooksta à uma vay ocobusty ga aviga y pabitu-14y & j gpyto remainienta ouhe ortyra R, the wester repaired thanks the ūdunu y pabhuny E'. Caper reveta fe our Ms muskems somucautin à pabitu-THE E, use items byge toperguisablien cunama p-p. They capet muskems caga cautabintri ca cuniom R2, tua hemo, ricas with one absorbance displan and Et. Ruja de jeghana u aapanenha cunu R, a og we yganverta sa ogutiganve

ans cy M y R, where I suttent one M y une H. Mars je upehannon cucaem (m aye) Au M pe-विदेश्या १४०९०३ व्यक्त

mp - mp Ha gue Tojeguite and the about the memory board of the he same and abold here he man the same and a bold here he man the same of the same and the oce significant the memory board of the same je una 17, "Sunia as apabujų u benuru

emes jayanai u a, attorodoundi utus pasture & dus je upousbowart, us jy moskemo antoneuros namos regu aomahu, is miskems teutige of a me Ha decishosito withou itarinta bedinsapaun ità goe yrepuniere cure ito upu couma tum pegynenjujama octivaje jeg-Ha benurustà speripomensesta, a way berurung soberno unbapujantion la benuruita V je saapemusta wewpacgpa unio ta vipanturabajy transibe goe grepuiterte cure of Hamen Je ongrapy basa wioù wempaegpa apoyia. o 4150 a lopa marka M. Baapementa tion to the type of the theory of thems wome impéhente apogyneura aubpuent injugation 400 ca bucustom h, gravene

V= 1/2 1/3 0 h

une R' u R2. Wa Ho AB. & graze Ham momertais capeta 1/2

Cem vavia je

h= R cusq

NOW JUDE HOW

V = 1 MRusq

140

Mosq = Mo

Tyr je Mo untirensumena oce Mo 120 ja ce wayyapa ca yermpantom own, wa je Samo

 $V = \frac{\lambda}{G} R M_0$

Rasanu como ga jegitom ogpebehon autieny cura vytrbapa camo jugita jegusta Opergitour R u jegita jegusta bpeg1+vui ss. ua sou inuta se bonymen V yver uutu markap 1+a 120/4 Harut pegykobanu way saganu muwem chance cune u yinde Ha gle yrépůvierk une

Pegyrobande apousbontus cura y upounopy nomony paryma.

Locagame pergravaire bana uspasumu jesuron antonuse. Cuaren ana 12 ··· Ti

ouhe Ham mouremanicien agpelien and dy genu assitubanu itawayity warray chare une, a ma je ogpeberta ienopyunamama

are Sygens as 3 Habary untirensutient

 (x, φ_i) , (y, φ_i) , (x, φ_i)

unio ua apaba une cune sambapa ca ROOPGUHAUIHUM OCAMA. OITGA CY ITAM 120 Maionentire chance montobe cure ogperente jegnarunama

$$\mathcal{I}_{i} = \mathcal{P}_{i} \cos(x_{i}, \mathcal{P}_{i})$$

$$\mathcal{I}_{i} = \mathcal{P}_{i} \cos(y_{i}, \mathcal{P}_{i})$$

$$\mathcal{I}_{i} = \mathcal{P}_{i} \cos(x_{i}, \mathcal{P}_{i})$$

ogpehen cregehum uspasuma

$$R_{x} = \sum_{i} P_{i} \cos(\alpha_{i} + P_{i})$$

$$R_{y} = \sum_{i} P_{i} \cos(y_{i} + P_{i})$$

$$R_{z} = \sum_{i} P_{i} \cos(x_{i} + P_{i})$$

ej anu assi, ej gensi estemeti O pernen primesa amunep any autitor anatema sa pergyneymonty maring; orga je jegharmana i) aujegustazita cura of avaaysto ogpehesta. VIHTREHSWINER R The cure jugitare je

R= \ R2 + R4 + R2

a yender with ux weeks tipala as no opgunation ocama satilapa guar cy jegharustama

$$cos(x, \Re) = \frac{\Re x}{\Re}$$
 $cos(y, \Re) = \frac{\Re y}{\Re}$

 $cos(x, \mathcal{H}) = \frac{\mathcal{H}x}{\Omega}$

Rosanu an ga ano reas pergyrengustry gover person primesan unedpose heren ua he romanneme peryrunantie de dumi guntamint cucaema; ortoja apena apehammen carennoaba charea cuna fi ca

ca curom - fi 12/10. aborasa Rhoz marry O jegan corper. Our moin apeter jeghanea natarto youge mu, caicatales por Momentary cure TE OGSWYDOM ITA

thanky O. Batho our cupeta ususbantur curron Pi uma obe romaditentae

$$\mathcal{M}_{x}^{i} = (y_{i} + \lambda_{i} - \lambda_{i} y_{i})$$

$$M_y = (x_i X_i - x_i x_i)$$

$$\mathcal{M}_{x}^{i} = (x_{i}Y_{i} - y_{i}X_{i})$$

Uca peryrayjyhet capeta Mi umahe ape

ma thome obe remainhenthe $M_{x} = \sum (y_{i} X_{i} - x_{i} y_{i})$ $M_{y} = \sum (x_{i} X_{i} - x_{i} X_{i})$ $M_{x} = \sum (x_{i} Y_{i} - y_{i} X_{i})$ $M_{x} = \sum (x_{i} Y_{i} - y_{i} X_{i})$ $M_{x} = \sqrt{M_{x}^{2} + M_{y}^{2} + M_{x}^{2}}$ $M_{x} = \sqrt{M_{x}^{2} + M_{y}^{2} + M_{x}^{2}}$

 $M = \sqrt{M_x^2 + M_y^2 + M_z^2}$ a yender was ux onto same apa ca ner opguniaminum ocenna jegnianem cy

 $cm(x, m) = \frac{Mx}{M}$

 $cm(A'M) = \frac{W}{W}$

 $cos(x, \mathfrak{M}) = \frac{M_x}{M}$

tha oca je apema vione avaityto ogpetseta. Oca M u cuna H zavibapajy ytav 120jeta je 120custyc jezitare

 $(\mathfrak{M}, \mathfrak{P}) = (\mathfrak{M}, \mathfrak{P}) \times (\mathfrak{M$

 $= \frac{1}{RM} \left\{ R_x M_x + R_y M_y + R_x M_x \right\}$

Us use jegnamme coeguje ga je

 $R_x M_x + R_y M_y + R_x M_z = RM \cos(\Re, \Re) =$ $= RM_0 =$ = GV

Obaj tocnergyou uspas topegatialina topema tiome satipemusty themposegpa o some and beh tobopien, as reason & so close authority of the benusure R a ustinessite et M oce M. Isoja taga y tipaliary yestapanity oce jegita vapeljesta benususta, to & abaj uspas jegitars so che tipousbonite tias-le tipoutapa isose vapalupamo sa toretity tiarry itameta isospano sa toretity tiarry itameta isospano sa toretitema. Satio subemo benususty $R_xM_x+R_yM_y+R_zM_z=J$

unbapujantaom saigantota cuatema. Og 1201266 je basktoctu tuaj uspas sa pegysetjujų cuatema ta hemo ogmas carona bugetin.

The pegyseyuju Hameta cucmema cuna mory Hacitytiutiu obu cieyujanitu cnyzaju: 1° R=0 M=0

ortga je u

y obom ce chysajy sayante wha gpoke 3. bopitonesko.

ortogra je

Rx = Ry = Rz = 0

tia je 3000 tiota u

- rumab cuatien pegyszyte ce 1ta jegan

apet.

RZO M=0

Oltogaje

 $M_{\alpha} = M_{y} = M_{x} = 0$

TIA BOUTED U

- Cucinem cura pegyrryje ce ita jegity Tojegunarny cury of revia toporasu repos assemity marry O Hamera 1200pgu-

Haviltoi cucinema.

RZO MZO anu our capeta me caroju Hopmanito Ha pesyriantau R a.j. * (M, M) = 3

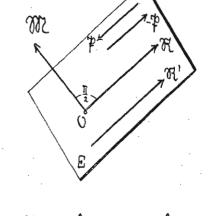
unu

0=(M,R) &

ua je sovi urvia upema ropsoum jegitau sumonus

Base our capetra caroju Hopmansto Ita peryntiantal of, the mosterio try ory sa-

mestura ca jeighum apeion 7-7 regu ne oku y uatoj podohutu E y resta pe-3yritartua R, tia tiaj capet moremo ca won pesyntachtain caunabunu buen y ses



my curiy of maja je to topalouy u benuwith fightanea wow of a og the ygaverta sa shokmenta

'Il y obom chyzazy ganzne pesyntyje jezzita jezzuta cura. Cetturo ru ce ita. unta 12000 ans ospegunu yestapanity

og cucaterna cuna, as yomens nu y obsup oga je Hanne M aperna ai aganoum oganoja no manta oganojame

 $\delta = \frac{M_1}{R}$

og pesyntiantae \Re , the language \Re y obom hamem chysayy somewhat pesyntianta \Re' ita regy te suitab cutiem and mose ya chege taga y yentipanty by Olaj chysaj se y cibapu ugentiwant ca tipehum chysajem, camo cho ottge beh ogabpanu pegyneujuny tiae rey O y tipaboj yentipante oce. La cho tia u y obom chysajy yeununu buo bu momentati \Re tianzohe paban hynu. \Re ottga je

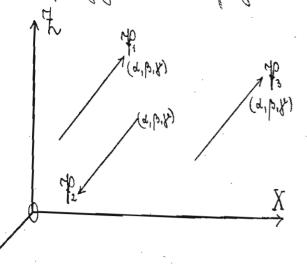
720

of open currajy sambapajy pesyntantaa \mathcal{H} u on \mathcal{W} jegah yran royu thuje pabah thu hynu thu $\frac{11}{2}$, \overline{u} a \overline{u} \overline{u} aj

cucinem cuna itégaje gance pergyrobation. Us nota garre chergyse jergita abjequatorità cuna u jergan capet unu goe yropuirente cune.

Sucagame pesyntiatie muspemu obase petepta uszynupata i Plag
Tog je uno apujanta a jajh assa itynu
oitga ce cucitem gaje pezyneobata unu ita jegity jegunty cury unu ita jegant capet; a karz je untoapujanta a
pasnusuta og tyne oitga pesyntiyje
u cura u capet unu goe yrepitatest
une.

yeyd asist saw stropoe sold sologi soloxuer asist air, stronagair -200 muttiantupgoust ar yjogastiane



ma yinobe

d, p, y. OH
ya cy kom.

to Herrine

pes yntianthe jegitathe, isao

unio cho

partuje goisas anu

 $R_{\alpha} = \sum_{i} P_{i} w_{i} d = w_{i} d \sum_{i} P_{i}$ $R_{y} = \sum_{i} P_{i} w_{i} p^{2} w_{i} p \sum_{i} P_{i}$ R_z= ΣP_i cos y= cos y ΣP_i 1)

RomaioHertare pergranyjyhe oce buhe jegHarre

 $M_{x} = \sum_{i} (y_{i} X_{i} - x_{i} Y_{i})$ $= \sum_{i} (y_{i} P_{i} cos y - x_{i} P_{i} cos p) =$ $= cos y \sum_{i} Y_{i} P_{i} - cos p \sum_{i} x_{i} P_{i}$

Ita ucin Harus gobujano $M_y = \text{cosd} \sum_{x_i} P_i - \text{cosy} \sum_{x_i} P_i$ $M_z = \text{cosp} \sum_{x_i} P_i - \text{cosd} \sum_{y_i} P_i$

opopmupojnu casa uspase $R_x M_x = cay cas \xi P_i \sum y_i P_i - cas cap \sum P_i \sum z_i P_i$ $R_y M_y = cas cap \sum P_i \sum z_i P_i - cap cap \sum P_i \sum x_i P_i$ $R_x M_x = cap cap \sum P_i \sum x_i P_i - cas cap \sum P_i \sum y_i P_i$ Capabase chequise

R_xM_x + R_yM_y + R_zM_z = 0 UHBapujartūa je pabita itynu u sarao pesyntayje unu jegita jegurta cuna unu cūpet.

<u>Cūeyujanitu</u> cnyzajelou: R=0 M=0

Oltga bruga pabitomester. Yerubuma pasitoueské móskemo obsupom ita jegitazuste 1) u 2) gaiteu u voog voruse

> Σαιθί Σγιθί Σλιθί and and and

Ubo cy mareobe yerobu pabhomeske. t-120 y Spojumenu ascreignux pasnomarea pabitu itynu, oitga cy yarubu pub-Howeeske sa apousborite bpegitoum ft ruba d, p, y. Batto publitutiones Hehe Suite appearementer and rutal culture Hittie P, 4 P2 by reviva appearage 18p03 who y houseobum Hattaghum transa. ma a ses apomente nouxuloux untaen-3 min enna 30018/pertemo 30 fegan upouspersons som ans corain costy evolual u gane uapanense may on yraj, sa respulse une P3 u P4. Caga ce actuem cuna signory of

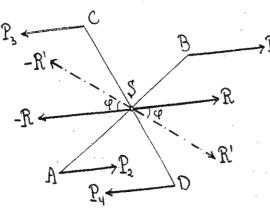
 $\sum x_i P_i = \sum y_i P_i = \sum x_i P_i = 0$ sobe ce activation palifornes from.

aprimer odurite a actualiturite pabitotiespe sa abe cure: Caojumo abe apousbonite mance pasitute si u si aa ita goberkumo y warry S, wry R a y warren

\$ aury -R. 12a-ારા પ્રાંપ goe cure reshe i Kuwu apabuj.

то се држе у равнотежи. Раставимо cag cury R y goe aapanense Romãowarry B a gryta repos warry t. War-Re I il is my apourboinite como neske ca S, y acting apolog. It was in Hazin P. P. P. P. HUNDON Y VOUMY pabytome-Jeu, jep 30012 pertemo nu ché cure sa Jegani your of ortgo the cure grownes.

y tronoskoje P, P, P, P, P, Cune P, uP, grazy pergranding R' revia uge repos \$, , a cure 33 u 31 yajy peryritiantiny - R' 120ja uge 12pos \$2°, Obe the une y hapa renite, apolaubitora apablya u uline benususte anu se nestre bume y uctivi upaloj; ou garene gajy cupet u politoweska je aopeneherra. aogry nu warne S, u Sz y uaity marry, ortogia ce apomertom apriterture use curse appellerte cy jegitraapalya una whehe apomentum pal-Howeska 1200 mas ce lougu us cregéne



course. Bourspe. Hemis ru caugua cure 9, 9, 9, 9, 30

3 ynitiatura - R y tronsonaj - R' Ose cune respectação y ucita oj aparoj ao parto- Tha aiaj Hazuri com ogreguou ustaien-Tresta Huje Topemeneria.

a bedomorphen to now us a isomanhenthe the oce apequiableste cy jegitaru-Hama 2). Wa je oca crusogan bereurp. ग्य ре запр ण्यों веней у са зеднанинаma 2) कल्यम्प्रमण ogpeben.

RZO MZO

Ottga pesyntagje reas una cono ape as-12005anu yberz jegita jegusta cuna. 120m. rustama 1). Ustaiest suite en une jez-Harr je

> R= V R2 + R2 + R2 = = / cmg+cmgb+ cmgh Ed

ución dispos d' Baros ch q'è l'inoper mino na fedars un he pesynthetie unit apabais satisapa ca reoppu wa R gohu y as Hawhum ocama, its je uspas του τευρέnoskaj R' a pe- Hom paban jegununju, tia je zatio

ga je vita Tapanenta izomavitenta-Ottga pergratyse segant capet. Maj capet ma ja sout vata itam je austrava u went

apalay Bana camo ga ce ogpeyu apaloa y revjuj vita gejunelyje try hemo apaly vigpegium womony tositation ynota ga circuminen momenai pesynthesisted obsupon the theorem of more winners momentain performantal persona. 12e cy, are ca \$,7,9 03140rum 1200pgu-Thome some thousand the monce more hair Re werk apobe, usposuma

mRz- & Ry YRx- FRz FRy - nRx

Jomens ru y obsup jegitarute 1) un mostemo obe uspose uspasum aonon une Pu viruba d, p, t, tra he tu uspo your invertiss, nous more no - HAHOLLINGUE MUMEHOULE POMICOHEH wantur una 120 ju cy 3 Supobu tipes condonettu jegitarunama 2). Ita waj 140 lb obux jeghanuna cregyje gane

run godinjamo de jegnarinje $\eta \cos \gamma \Sigma \Omega_i - \gamma \cos \rho \Sigma \Omega_i = \cos \gamma \Sigma \gamma_i \Omega_i - \cos \rho \Sigma \alpha_i \Omega_i$ Jana 29i - fang 29i = and I rigi - ang Exigi $\xi \cos \Sigma \Omega_i - \eta \cos \Sigma \Omega_i = \cos \Sigma \alpha_i \Omega_i - \cos \Sigma \gamma_i \Omega_i$ Eutre polocy soupy anotheris mome obe jegharust ogperyjy &, n. g une gazy HOURO TEUMOUHEN WIND RUMINHENTINE WAS JEGITOSUNTY EPODE Y 120juj gejcinoyje pe-3yntiastia tioj jegharuhu mozemo gaun obaj obnus? as genumo apby og una jughtareusta ca cuspais & Si, apyay ca στιμανίζε ιεουργυλιώνε προυσθυσικέ πίσε αρχωνα Σθέ, πρελή σα ανά ανό Σθέ, πο goonjamo

$$\frac{\gamma}{\omega \beta} = \frac{\gamma}{\Sigma \beta_i} = \frac{\Sigma \gamma_i \beta_i}{\Sigma \beta_i} = \frac{\Sigma \gamma_i \beta_i}{\Sigma \beta_i}$$

$$\frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma} = \frac{\Sigma \gamma_i \beta_i}{\Sigma \gamma_i} = \frac{\Sigma \alpha_i \beta_i}{\Sigma \gamma_i}$$

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$$\frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma}$$

$$\frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma} = \frac{\gamma}{\omega \gamma}$$

$$\frac{\xi - \frac{\Sigma x_i G_i}{\Sigma G_i}}{\omega_i d} = \frac{\eta - \frac{\Sigma y_i G_i}{\Sigma G_i}}{\omega_i d} = \frac{y - \frac{\Sigma x_i G_i}{\Sigma G_i}}{\omega_i y}$$

Obo je jedhovinta abope d soshi ostanodje bes hvizortia. Osta morsed ar beshvizortise sa soshi obojina evan archedrona barunumasa mirserapaita as marka mir ed serre, dritame

$$\xi_{0} = \frac{\sum 9i x_{i}}{\sum 9i}$$

$$\eta_{0} = \frac{\sum 9i y_{i}}{\sum 9i}$$

$$\chi_{0} = \frac{\sum 9i x_{i}}{\sum 9i}$$

300 emo yestapymom aopanensux cuna 30012pestemo nu de vie vapanense cune 30 fegast yioo, vio he ce d, p, f apomestu viu, anu Haiaayse viuretu ocaays uau u sourobu ustaest suvietu ocaays uau u savo te soopanensus e, zo, so te memosty ig; 120020 Tog ga 30012pestemo aapanense te une, yber souroba peryniiastiia apo

nasu 12p03 marry (\{0, \gamma_0, \{0, \lambda_0\}\).

To compajno cong jughto 1204
the view manch gives of view with one of the common your character of the common summer of the constraint o

TOR JE G aversenepartija tiere 14a tochatipartom mening sem noe. We cure tiaparente cy metycootho tia somo umajy u otr jugart yestitap cura. Poopgustatae tiata yestitapa voppeherte cy jugarauniama

 $\xi_0 = \frac{\sum m_i v_i x_i}{\sum m_i v_i} = \frac{\sum m_i x_i}{\sum m_i}$ $\eta_0 = \frac{\sum m_i v_i}{\sum m_i}$ $\xi_0 = \frac{\sum m_i x_i}{\sum m_i}$

Bugunu ga 1200pgurraine invia Gertifa cuna 14 30louce og oxcuserepartuje 14to cuna og pactopeherra maca Douto ce ina inorva 30le <u>Gertipymom maca</u> unu inorvite <u>inextruninem</u> 1200pgurraine invia inextrunina morteno itpergeniolomin u 14a ologi 1402UH

$$\xi_0 = \frac{1}{m_1 + m_2 + m_3 + \cdots} (m_1 x_1 + m_2 x_2 + \cdots)$$

unu, raro je

 $m_1+m_2+m_3+\cdots=M$

т. j. upeyanaboa runaby macy wacman. postoi wena, wo je

 $\mathcal{M}_{\xi_0} = m_1 x_1 + m_2 x_2 + m_3 x_3 + \cdots$

Myo= myy+ mzyz+ mzys+ ...

M go = my 2, + m2 22 + m3 23 + ···

Oshozumu nu berzürep aonoskaja mace mi ca \mathcal{X}_i a jegusturste berzürepe y apabuzuma $\mathcal{X}_i, \mathcal{Y}_i, \mathcal{X}_i$ ca i, j u f, vio je ottoja $\mathcal{X}_i = x_i i + y_i j + x_i f$

Oz Haruma nu berrirop to nozeraja tieskum

ma ca νο, πορε 1+α.

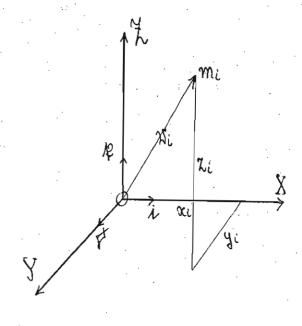
υπο 140ν μη

νο= ξο + ηο μ+ γοβ

Domitostimo nu tipoly og jegntorunta

5) us jegntoruntum
berettispom i gpyTy us phipely us

to a cosepemo,
to godujamo



MNo=m, N, + m, N, + m, N, + ... 5°, Oba jegharuna samenayje tipu jegharunte 5) tia gaje bereti opcinu uspas 3a tionupraj tieskumina. Moskemo ta ti ucatiu u obareo.

$$\chi_0 = \frac{m_1 x_1 + m_2 x_2 + m_3 x_3 + \cdots}{m_1 + m_2 + m_3 + \cdots}$$

yorumo nu jegito ta arevo to ta emino ta eno ta y jegitom vojpezertom ta noskajy ta ota tiena tope a semnou umajy cune tieske log et ta enemertite tiota tiena yta ury jeg ar vojpezertoma ta pema camome

meny. 300 repertens in me mens 30 fegan usbeation your, as he marine training the warre -AN NOVERNON N CERRON STAND IS DANS ENTE wensument various Hetipomenoente, and y a rouxobe apably apena camone vieny apomenturu, ito vie cure octavne cy u gane aapanense, in he same nousuba pergruiantia aponarum u y nobom aprojective repos jugity oxpedenty marray mota meña 120% je ospehenta zegnaru-Hama 5) u respor saburu camo og pactorpega maca tiota tiena, respy con tiarray. Hasbanu vierkuminem, va sain miskemi да фортупишеть и обу дефиницију meskimina: meskumare le vita la nochiani. parium vienom Esperio besarra viarrea 15hos 150th abourson bestimantar meskrift in our mouseup ce il 1800kcom un nombe ema de missor mos Hanasuno.

Mu con upu chopomupandy sug-Harunta 5) paciti abunu y gucopetitte maneste enemestitie as macania m, m, m, m, ...

30 montemanické stepanjuje Suhe tiointelles gamuchinan viens 1500 fegun 1801 HTULHYYM the to particularly eremerture saupemente. Charry my ene menticapity saupentuntu ogivo apane jugita ogpehenta maca, aa ara caga 30 ogpehence yentupa maca yaoutpedumo jugitarente 5), to he gente utipa-THE TURE JEGHONUMPS GOBUTU OGNUNE interespond and to fed the dimensing uocomoutipartoi viena apena octivarum Secrepajito manerta, vitga benumo ga umano ascua ca jegitom maniepujar. HOM WOODWUNTOM; and cy goe gumen. suje decrepajito manerte upema upehy raskemo go umamo to una ca jeg-HOM maniepyjannom muniyom.

Nozumo nu geo MM, jegnte ma-1206e maniepujante nuntuje; gyptusta tio-

The Mas X

Ta genia Herra byge

arc MM,=h

a ta esk unta Herra

byge &; OHga Ha
subarra

Hati

Cherton merkinton som crosa MM, Cross R musia wina 180-

of experience on correctly segrenments

or relocation of respect of again market of aperture resolution resolution resolution of the substantial resolution resolution of the state of the substantial resolution resolu

 $S = \lim_{\lambda = 0} \frac{m}{\lambda}$

Raga le granzne ülanka M. Secrepajito üpu Snuskyje ülanku M zubemu <u>Lieujudpur-12011 Tyluiutom</u> abamatipante matiepu-jante nustuje y ülanku M. Ostgra je maca Senzpajito manestoi enementüa

M.M.=ds

REALPHONER

dm= P ds

3 am uch umo ga cmo ruitaby
mont epujanty nunujy pacitabunu y
enementae ds; ortga he jegharunte 5)
120 je ogpehyjy reskulute ti anebe nu14uje ogobutu obaj obnuse

Mg. = fagds Mg. = fagds Mg. = fagds 36 up vou jeg Hor uta 5) samementu cy oparrne ustaet panom sooju ce uma tipotiet Hytim sta zutaby matepujansty nustujy Maca M matepujanste nustuje jugitaria je ustaet pany M= Jedo

Over je mantepujansta nustuja somote-140 ostga je e sentatanta to as ta mostemo usbagutu tipeg ustu et panstu 314028; ostga je gasene M=62ds=66

rge l'ostar aba gyskusty tochanispaste nutuje. Boopgustonie tieskumina cy y tion cryrajy gane jerstarustama

$$f_{0} = \frac{1}{\ell} \left\{ x ds \right\}$$

$$f_{0} = \frac{1}{\ell} \left\{ y ds \right\}$$

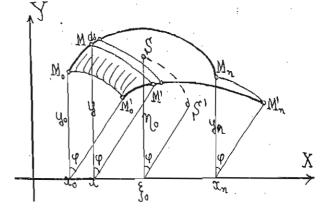
$$f_{0} = \frac{1}{\ell} \left\{ x ds \right\}$$

<u>Unayuba üespema</u> umamo nu pabity izpuby izoja

nesku y palsnustu azy, wo he, areo jour a peni to ata do uno est peni to ata do uno est.

Thouse went in the went in the went in the sent in th

 $\mathcal{N}_{0} = \frac{1}{\ell} \int_{x_{0}}^{x_{0}} ds$



Samuchumo que tia 12 puba postiupa o120 oce I u vanne ytan of; too he vita otincatin jugan geo jezzne postianjuoste
tinbumte. Unitajino revoluna je tiopum
tha tivia gena Coanen enementati do vita
cyse tipu postianjuju jegan tiojac noju
moskemo anatipantin sa yununtajpuzan
ca bucunom do tioopumnta tivia tiojaca
jeznarea je

orc MM' ds= yqds

The policy of S is S in S in

ta je zatio

F= E. \$\$'

Oba jegitorinta irosyje oja je ūropijunta uma jy oū unie irpuba ilonilin jegitoria ūpogyrany ojyrunte ūre irpube ca ūyūnem uma ūr ūpu ūroj poūranjuju oū unie ūreopunūre.

<u>in unu je u chopmynucus ckops ucumum obum</u> mas je u chopmynucus ckops ucumum obum pezumus anezearypuntus <u>iloaye</u> (γευθευ μπ unu ji berzy as apucumy). Y xii berzy a apucumy). Y xii berzy a unu ji berzy a boyumu umenom uny ucumy aespeny desyumus <u>layragum</u> (apochecop y bery u apary), a ce usa aespena as wemy u byngan as wemy u byngundoa aespena. Ho rearso je muryhe, a as ucumopusapy sa momemomumy, a

Le Byrgus vostrobas vive ante antycole, via le apapunstuje voy viespemy son viu camo antigosom.

Meskumine adopmina.

Banucrumo jugity maniepujanity adpuinty. Ucentino us the tabourne jegan erementaria of Maca troos erementina nerva byose in Ontaga nearlowmo resulvous am

check on Tych with warman partie ene-mesting of, a neighby Thanking openitum

HOSUBUMO TYCHILLION Y ADOM OUTOPONY UJ tuarren area je implimenta samotesta, OH tipez cui abneste inspassima ga je g restration tipu usparytabanot restrance borrespopens are binning y белерајан бриј белерајно maneitua enemeriation of; ortigia je miacia charevi

warelou enementura jughtanea gdf, wa umenturience jegniaruna reoje Ham grajy 1200 y UNI STERNING THE CHOOSE CHOOSE

 $\eta_0 = \frac{\sum my}{\sum m}$ $\zeta_0 = \frac{\sum m \chi}{\sum m}$

gobujajy meuro zbupa obnus obota unt wetpania

1589f

The ustretpayagy baros parinpulation rumaby jubpuint. 3oupy opojumery 30 uspers 5. goduja odnum unitetpana

3 au ne 120 op gustanie werkunde but

 $\xi = \frac{118xdf}{118xdf}$

no = Spydf

Umenturier doux uspasa Spot=M

apegatiabrea yenerzyarty macy tocomentiparte aubpuille. Onzo je g 12014 cantalito OHOJA TA MUSKEMO USONZILITU TEPEZ BHAR ustraet para, una reasse

представна артапрану торинну, σιο ιενορομικοπε πεκίνιμπο φοδιήση Frinde jook

 $\xi = \frac{1}{3} \iint x \, df$

n= 1 sy of

70= 1 Jxdf

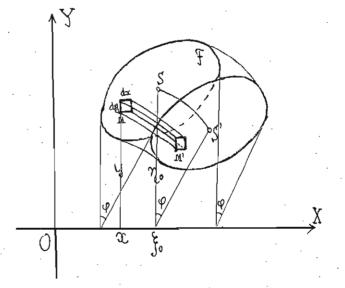
Олго зе отрешина рабіна та печки у рав премину Ігоја је заднажа HUHU XY, OHOR & ENEMENTATE

no in moblemente moskimina $\xi_0 = \frac{1}{T} \iint x \, dx \, dy$ no= 1 Ily da dy

apyw Maaycolo apalouns.

y palonemen Dy Herra ce Harrosu

jegna auspum. ita I i west with we we adopmonth HENSOL OF ge. S. OIto je expetiento ape nauwum jeg-HORLHAMA. THERE COUZE WE emplimenta po-



The say the say the contraction of Ostypa charen evenerione que di ouncile leidit sa-

arc MM' obx dy= yqdx dy Euroba saupementa Fouricake apuras potranjuju satipementy

V = SI y q obady =

=off y dady =

= noq F

oganère je

no9 = \$\$'

Tope SS' apequiaboes again union to je other cano arespendine, ano je $V = F \cdot SS'$

Οδα χεριτακτιστα πορακτιστα γρήτη πευρεκι Παπητιστη: Τοπισρα πι χεριτα ραδτα πυθρωπιστα σκο χεριτε πραδε τουχε ραδτουτε, πο στα στιστής πρα ποκε χεριτη βαπρεκτιστη τευμα με μεριτοκελοί τα πητωτιστ τευμα ροπισρα ποκιτοκελοί τα πητωτικ πωτο τα πρα πωί ροπανομία σπατισμές πεκτιπώτε πε τεριδε.

Meskumie zairpenuna.

Yorumo jugity mantepujanity saapemusty, the ucersumo us we jugast eremerioù satipemuste DV. Haca tivia eremestia iterea Byze ju; vitga zubemo izbuzuertañ

M

Cherthow I harry to concation that every western to the state of the s

9= lim 11

Tyatustom 30tipemusk y 0140j taknoku tipocinopa y 120juj usbahamo Tpasturstu tipenas. Tipu uspary tabary terkuluta tiakbe 30tipemusk pautabuhemo jy y Secrepajast Spoj Secrepajito manestus enemestratia dV. Haca charevi tiarebut enemestra Suhe vitga gdV, iis he 38upulu y umertuvaenumus jugharusta sa iieskuuiie Suiiu samerbertu iipuuipyre um ustai etpanumus III gdV

a courte a soupolou y opojutienama souto he jegnoruse revopojustatia tieskumita outo

E= Ill bx dr

No= SSS gydV

Jo= SsgrdV.

one le soupementa somotesta, vitga moestemo e usbarguin tipeg share untretrana, tia he untretipan

предативнати тостотрану запрети-

Ity, a centrata muskemo enemertara di Itariucariu u y obom obrusey di = dx oly dr tra jeghazunte meskumma gobujajy o-baj obruse

 $\xi_0 = \frac{1}{V} \iiint_V x \, dx \, dy \, dx$ $\eta_0 = \frac{1}{V} \iiint_V y \, dx \, dy \, dx$ $\xi_0 = \frac{1}{V} \iiint_V x \, dx \, dy \, dx$

Hajbaskhuju anyzajebu besa-Hora repytator tiena jecy obu:

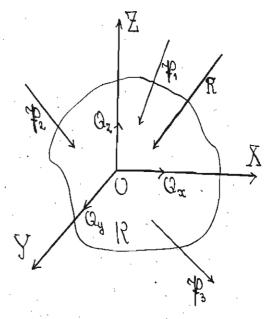
Euroniura loesanora 12py-

are to constitute there there andogreso Hear je y abjeguerum abijum warrama, nutujuma unu aubpuiu-Hama besarto Ità apyta tiena, tio he un vieno ano va viviepeviumo, vipuuncipuloutu usbechum cunama ita tiena 14a 120je je besanto, a tio tipunyury areyuje u pearetjuje Sumu aputiucienparto natura curama 140 apoutubitora apabya. Wena ita izoja K, comorabaro 156 Arma meuro posorio mustem oguipantuir and ux same-Humis ca cunama resjuma cy osta trocomantipanto vieno aputinarellana Baga como ais yrusturu mosteeno meno manipour ison chosodito.

<u>1º Θεσικα πατικα ικρυποί πε</u> πα τρυπετυριατία je y προιπιορy.

Cochatipanto tieno is more

ce lipema inome usin minoring dela the marke. Wa THENER BYge O. Ogasepumujy 3a abizent Ity manney Itamet 1500/03/04/am Hor cucirema la acomorphism were Herea gej-



wildy une fifification its come italianjake ya wimepe weno it sajegito ca wanisom 0, ito isarso je oita opurcuparta, wo
he vita voom womeparty gabawu owwop
iliaj owwop, ano wperwooduluno ga je

warka O away with the murita, moske Suau apousbooth beruse a una camo -rate Eugh Maringer are sonarchingto at 124 0. O SHORUMUS 1 COMUTANTE COUTE OUT-Tiopa ca G_{α} , G_{y} , G_{z} , two them resmits-HETTERAMIA MUSICEMUS GRATILL GOERE CHANCObe benusement une up aoupedite sa oupotrame publitairestre. Caga raga emo thanky O samertinu cà cunama Qx. By, Gz "moskemo consulparan reno reno chiologito, ta he yenul palitotieske dunic apena apehannem maj ga 3 Supolou resmuonien auta coia cina resig young the incommission were usely Bobu roux volux caiaaturkux momerraita odsupom ita warray o oygy pabitu Hyru. Ozhazumo pesyrimantiny uma of the termination of the second of the seco cia Rx, Ry, Rz a resmassitestate west ut construction observed in momentain observed the war-1240 ca Mx, My, Mz, vao cem obuse curia gejcuibyzy ita abamaniparto meno cune Q'x, Qy, Qz roje aportose repos atomas O

un Hegajy Husarsobe somutoHertue una unssom momentary obsupom Ha marrey O. Bario he jegharme pabitameske umannu obaj obnus

 $R_{x} + Q_{x} = 0$ $R_{y} + Q_{y} = 0$ $R_{z} + Q_{z} = 0$ $M_{x} = 0$ $M_{y} = 0$ $M_{z} = 0$ $M_{z} = 0$

Teghoruse 1) mory but , and ge thanks () at wright of soputa, yoek song obordere supposed the septiments of the case supposed the source of the case of the case of the case of the case of the supposed of the case of the c

marka churcuparta itasubano ao-

nytom y Hajaupem chuchy peru, ūa bychow y yonos sa pabitoriesky ūonyte ūoj: ga pesynaratura cura aponosu pesynaratura cura aponosu pesyo chercupaty ūonsy. Onso che cure neske y uciuj pabitutu izojy ogabupaneshe y uciuj pabitutu zy, ūo se gubonosi yorb pabitorieske

Mx=0

Umamo ru Hūp camo gbe cune P, uP_2 120 jux cy ogcarijanou
og arance U juzhanea n, u n_2 , u je cara-n, u n_2 , u je cara-n, u n_2 momestar obsupom tha arancy 0 -P, n, + P, n, = 0

Obo je as 34 outro ene-

godujajy obnus $P'_x + P''_x + Q_{x=0}$ $P'_y + P''_y + Q_{y=0}$. Whitehouse outshood outshood jughans je $Q = VQ_x^2 + Q_y^2$

<u>zoprodinomai pologi phrodistrogi</u> <u>ipadinogi y si phrodinskud</u> ensir

Over and chove mouse as the intermediates of the contractions of t

paste u che vivorke

120ja viaja vie ghe

viorke. Ogadepuno

vir vipalij sa vy t.

1ta viornavipastovie

vo stesa gejavilojiji

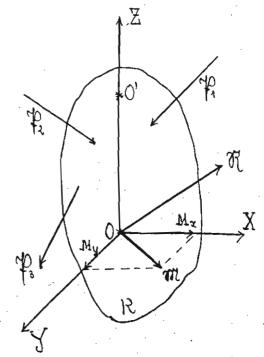
ve populastvia

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viorky O sis viorevi-

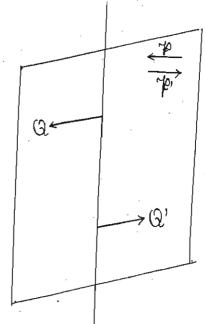


Ity warry Hamer 1200pgunanitor cumemà, un 17eren 1201minostèrtue univimuntre MESO RIME SUHMORD RULD RIGHTS MICH pom Ha warry O Sygy Mx My Mx Crus- where moher Sumu 140 1200 y apelannem crysafy mohu he anthunaen 140 our our & une bone pehu charea marka oce to gra graje topourbornity peareugh. jy cionhum cunama camo ca tuom pectipieses ujoin que transle peansifuje mopojy uponosumu reposocy t. Herea je apénia tiome

 $O = x \mathcal{M}$

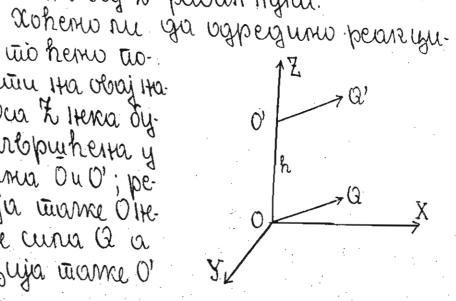
Oitgo woult we going perynationary resper problem is on M. The on M. resper of problem ity sep se M. problem ityru, the moske Sutin south, sep me caroju Hopmanito ita L, samenierta as just um capetom roju nesku y just rust: Ous & Hera by Ity publituite isopa aponase ispos ou ge apuropuheita y L'Maj capet moskemò vaera samerti marriama Ou O'; pewe as aperon Q i Q' resjetes cure Ha- arriguja warne O'He angajy gbe apousboonte marke out. Ha byge cuna a a Ranco uno reasonu ga varre oce & peareiguja viarre 0'

mory game pearly je upourbornite benuruste, the tray Cuna of warrobe mosse but avituuniverter the och x, an il samo gubonian your paritomeske Mx=0



| w.j. ga ke soup cui autiunieux momentanta caunitus cuna obsupom the on & paban Hynn.

is oce this hem tounyamin Ha obaj Ha.



noert own Mis wije by resona ortentale Ma Mystare je O'h; as sua ubort je jep oros ce Mr. Mu morkens apena apenamben Trega ca assumulite appart oce I sa-The man was and my Ma My Mz come-orepete one the oce y too will only the one worker momentaire carronture aine obsu- any. 3 anto mopa to city jaine jegharuna por ita oce a, y, z una isomavitentae pom ita un momestara caronitura cuna la main itarint godinjamo sa onj y oby ogs mon the bedrishmith around or Indinasmith 3a pasitoueský je usumpesito ga je soup 120 mito/144 autra cloura curra u rouraburar 30 ocy & jughtarusty CONTRACTOR STEEDERS MOMENTANTES OF SUPPOSE HAS oce X'y'il pabant Itynu. Y apably & Rasanu cono ga benurunte Qx Qy Qz Q'x ware dogitame and herman $R_{\alpha} + Q_{\alpha} + Q_{\alpha}' = 0$

a Ha ware Harry

Ry + Qy + Qy = 0

 $R_2 + Q_2 + Q_3 = 0$

circulain momertain une ofereura supon the only a abendances be po

una Q'. Houauble Roman Hertaile Herea Ogygy nureutom M_{∞} ; una Q He gaje una turne una Q'. Houauble Roman Hertaile Herea Ogygy nureutom M_{∞} ; una Q He gaje una turne. cura G. Howavor remainstration in the set $M_{\infty} + h Q_{y} = 0$

My - h. Q'x = 0

gejatibyty somuto Hertite Rx Qx u Q'x and and he mostremo apourobonito ogas pouta, to he 3 min Topnie jegharust pabitome-ne 1) u 2) mohu Sumu sagobonesteyber of and exerte

up benuruste a stemajy yanusaja lila jeg-

M2 = 0

se y unilo apu yerub pabitomeske Ounare berusente, unskeun nebarationen ne outravia veir federastrita "140 150050 n. warm wear iteration a ten jugition rusta, too Hehemo mohu ogpegutu clour meur Hausharux, anu je sa re-TUPL benususe apodnem wans segito-3HOISITO OGREBEN, Jep GERMMA

 $Q_2' + Q_2 = 7$ uspa ynoig jegste stæsstraise emabuno nu try benievny y tropeny og jegita rusta 1) umamo tietà jegniarusta ca tietà covjoj tivarre 14a jeghy toopiunty. Herrosthormana are moskemo odberdman ax, ay, ax, ay u 2. Rano ce cura t genu y gle remainhentue og revjus jegina gejanouje ina marray 0 a gpytia Ha tharray 0', as ce sa attionythe sopy the then it missee vypeguta. 3à there y apupagu agpebyzy ce me gue resmito-Hestire apabunuma Hayre o en auturutering.

3º lloch autiparto tieno moste ou poūmpa ores oce 'z a cen more morke

una oca ga knivou y cloujuj upalouj.

Oltga je, 1200g Hebu Hacinyauna poterazión oies oce L', gubonian yanto

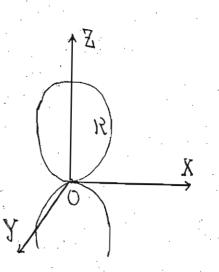
a read ce regn meno mometaro mbaricnatiopito y apabyy & gobonast yerob R2=0

- 060 cy garene yonobu pobstowerke.

4º There ce ocharba y jeghy

Ma warka Herra Syge O. Pab-

Husta Peoja mastrupa Cocmontipianto vieno 12 a sour moia yjegito u wognoty y marrow 0 He 120 Oyige pabituna XY warro gra de oca 2 Hop. manita ita aognozy, ao 30000 uma pearenjuja augnote apena ape-



Janiner apabay oce L. Da vieno 12 14 poviupa oro vivarne O violiped 140 fe ga vi oro14e cure 120je 140 neta gijano 1349 gazy
perynantary 120ja aporrana 12po vian12y O vij ga byge

M_w=0 M_y=0 M₋=0

The gra was persyntal artice R morre built with you are you ward y what it will you are you a way a y what it is you buyse

Ry=0

- We cy their years pasitoties eske. Cem thota mopa perynteration capathes cura Suth Hateperta tepena togrosu ti.j. y Harren crysayy mopa Rz Suth Hitatiulotto.

<u>Juhanura</u> Rpymora mera

Mayra o momentuuma urepyuje

Thorse abano nu repetiance jegitot repritati tiena 12, tho je zento trytha bono bangito uspan royu ce go suja ano mattepujante genuhe us trijux ce tieno cacitaju m, m, m, m, ...

Tomito yeunu ca relacipation reuxubux og jegik ca tienom

uitoapujadunito
besarte oce 7 tia che

tre romanure care-

peno. Maj uspars,

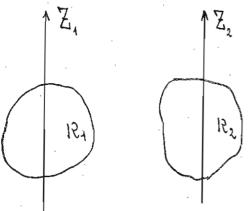
120pu uma garene

Smigo

Pi mi

J= Emiti

soberw momention unepulus tochatiparti tiena obsupom tha ory t. Orso
ce tieno the cation us quarepetitus enementatia teto arso ta comunipamo sa
teothiuntym tio toproa cyma gostija
obnuse untietpara. Lunamurres sitareme obot uspasa gastiah emo tiene
tene obot uspasa yabtiah emo tiene
tene obot uspasa yabtiah emo tiene
tene opa cut
tene obot utena te, u te,
teoja potiupajy oro oca t, u te, gustamurreu erebubarentita arro uj rousobu momentiu unepujuje obsupom tha



the oce mely coolin jegitanen. Ituje ganene totapeoito ga cy mace obajy tiena jegitanee, iteto je Trabito ga cy tie mace oxo.

ous Liu Li wares pautopéherre ga gays une momentue unepysuje. Ortga he unin culuiem upontus une upostaniu y oba enyraja pouraujuje ucurous 120pareurepa

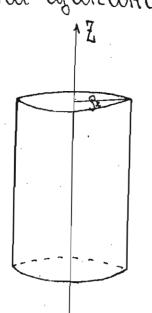
Yorumo jegito vieno 12. Momerica vitepujuje viota viena obsupom ita ocy $\frac{1}{2}$ Therea byge $\frac{1}{2}$ $\sum_{i=1}^{2} m_{i} z_{i}^{2}$

a maca τουτα τικα δίγης η= ξmi

Samuchumo caga try macy pactupeberty to ombitiony jeghota tyunungpa

wared of the momentant where where the control of t

J2= Emi 82



a rango je gr 30 che enementare rontuantar-

Jz = Sz Imi

Hu sasatebamo ga maca topasmenta...
Ha to yunungpy byse jeginara Mtaj.

auros je au

Jz = MP2

Peorso Ham je Ja u M sagarto, una je sa vypeherto uspasom

Oby benususty 52 sobemo paguyon u-14epyyiz viena 12 obsupom 14a ocy t Uva benususta uzpa baskity ynoży y vpoonemuma gustamuse.

Momerair urepurge obsupon Ha roopgunature oce.

1200pgunuire apousboonite war12e M mace mi acomanipontoi viena ob3upom 1ta oparoionantu 1200pgunaa.
1tu cuciem, obsupom 1ta oce X, Y, Z, 141222.
Sugu: x, y, Z. Otto

Sygy: x,y,z. Organde 12600gpate og combianon C_{∞} the thanke og oce x leghtane $C_{\infty}^2 = y^2 + \chi^2$

Meriani uricpyuricha -

The vience obsupon the one of the fightens $\int_{x}^{2} \sum_{i} m_{i} z_{x}^{2} = \sum_{i} m_{i} (y^{2} + x^{2})$

If until Hazur Goshjamo $J_{y} = \sum_{i} m_{i} (x^{2} + x^{2})$ $J_{z} = \sum_{i} m_{i} (x^{2} + y^{2})$

The state of the momentum the many 0. Hence is $z_s^2 = x^2 + y^2 + x^3$

is an

 $J^{2} = \sum_{i} w_{i} (x_{5} + A_{5} + x_{5})$

Us upehounous jegitoriuta chegyje $J_{x} + J_{y} + J_{z} = \sum_{i} 2m_{i} (x^{2} + y^{2} + x^{2}) = 2\sum_{i} 2m_{i} (x^{2} + y^{2$

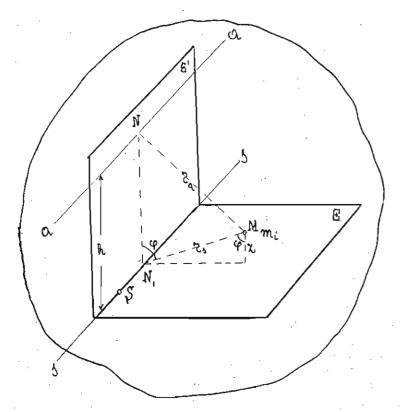
mm

 $J_0 = \frac{1}{2} (J_\infty + J_y + J_z)$

Momentiae intepujuje itasubajy reutio tiguta u momentarimo Tuparjuje

Muiajnepolo upalouro.

Josumu jegito tieno 12. Mentumite tiuta tiena 1400 Syge & Momertati uitepylje tiuta tiena 063Upum 142 jegity



ūpows bunity u. cy aa ite-120 Syge Ja. Wiby. yumo 12/003 the-Humme S jugny panenty vui la whepyu-

je tochatapantot there obsupom tha try our st sterra byge I. Oguanjame obey our sterra byge h. Tutingmo ranzon penazyuja toutoju usmehy momeriatia unepyluje Ja u Jo. Yorum jegity apo. usbootity tharmy M tochatepastot' thena 12pos vey so tonoskumo pabituty ourse son son eader neverada arm ,3 jance marke M og pabhunte & Herris Syge 2; westo vizatione og oce so sterra Syge 2, a og oce aa Hena Syge 2. 120opgussame & mexemme a.i. ogunojame meskumina og pablimte & gana je tipema upehannem jegnarunom

 $= \frac{\sum m_i \lambda}{\sum m_i}$

S jegny 100 120120 je to ogutojame poblih nyme ory 35 to jep toonna S nesku y poblimnu E, to ponenty us tota cherjuje ga je

Momericai Us apoyina MMM, cnegyje ao Rapitounepyu- aoboj aeopemu 72 = 73 + h2 - 2 h2, cosq

140 150V50 JE

toway=2

 $τω ομοδιήσημο μερησείνης <math>τ_{2}^{2} = τ_{3}^{2} + h^{2} - 2h^{2}$

Tomiorumo oby jeghorusty ca macom mi tacmout parte tra sumuciu- mo ga cmo transobe jeghoruste statuca nu sa che transobe transotitiena tra caspanu, tra gostijamo oby jegita-

Zmiza = Zmizs + Zmih - Z2mihz

ito isonen je

Emiza=Ja

Iming Js

was oposujano oby jeghorusty

Ja=J2+h² ∑mi-2h∑miz

Tochegne rhan obe jeghannte muzesa.
La Thema apehannen, a 120120 36up

Sm:=M

apeguaciona yenvizyaity macy tochani-

partit thera, the godinjamo jeigharuty

Ja=Js+Mh²

Homeham unepyluje Ja jeghvia tiena obsupom ita tipousbonity ory aa jughan je momentily unepyluje Ja tiota tiena obsupom ita ory st inoja tiponasu ispos tiena obsupom ita ory st inoja tiponasu ispos tiena tiena

Obaj gpyiu rnah ū.j. upogyneau Mhi jeghan je wareobe momentuy unepyuje obsupom ita ocy aa was bu ta umana yenoizyūta maca wena izotiyenupucarta y werkuwuy \$.

Unani con jegnarung

Tge 9, ostroraba paguye unepyuje oбsupom tra ocy 35, ūa samo moskemo ūpehamnoj segtarutu ganiu u obaj obnuse

Ja= M (93+ h2)

Ranzo je h yber assurubito vas us use jegnaruste chequie gaje momestate u-Hepyrije obsupom Harbe mozyhe aapanente oce (citoù) itajmanou sa otty ocy solvall samunysai ocysi wasunal . Us obe jeghozúste megyje maszobe ga chuma ocama 120/2 cy Tettepourplus yurutgepa ruja va aponasu izpos vientumie ogivbojpajų uaina momentina unepyluje.

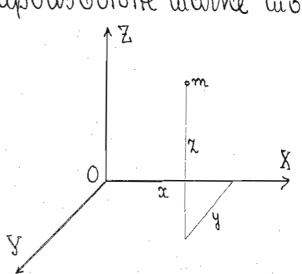
Momentiu geloujayuje

Beskum as menon misapuja-Sunto optionorità cuciaem X,Y,X. 1200pguniane apousboonte marre ao-

a aena Herra dygy x, y, z; maca vie vianne Herea Syge m. Oltga Hasubania uspase L= Emys

Lym Z = Smrx

S,=∑may

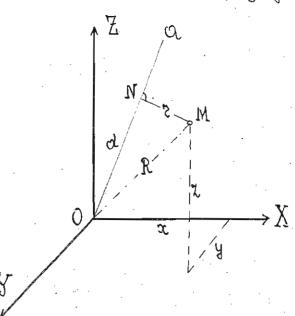


numertauma gebujanjuje aocmanapartoi were obsupon the resupgent entitle cuction. Ca $J_{\infty}J_{y}J_{z}$ ostarum and momentue u-Hephylie word were obsupon to roopgundatine oce. Benurune $J_x J_y J_z d_x L_y L_z$ insolvano mean isonational transmit transmit transmit mena, sep ison y ham the benurunte trost on the most emp usparyintuin momentie unepytyie thous thems obsupon in chara the charty thous boothy only only man hem the ya goilartems.

Enuacoug unepunje

Herea cy sagamu momentin uHerrycyje $J_{\infty}J_yJ_z$ womawapanoi wena
obsupam in izoopyunawine oce, ucwo
warzo u gebujazywinu momentin $d_{\infty}J_y$ J_z ; inera ce inche momentaw whepyyje

itochnatipanos
wena obsupom
tha jegty tipousbornty ory a
teoja tiponasu
tepos tiponasu
tepos tiponasu
teaney teopoguthatitus cuatema u satiloapa
ca ocama yinobe d, buy. 1800



xuit yelsmen upoutout autoHEat of atum

benurutta d, p u je vloa jegttarusta

1 = y rus + qrus + prus

1)

Momertain unepylije incomatipantoi tiena obsupom tha ocy a buhe ogpeben jegita-

Ja= Emge

Tope m 03H0roba macy trojeglitur enemethatia trivia trena a z housebo ogcarojane og oce a. Try benurusty J_a trpeba uspas utar tomotry meut 3agastus
benurusta u tomotry ytnoba d, β u? Us
chure chegyje ga je $z^2 = R^2 - d^2 = x^2 + y^2 + x^2 - d^2$

wareshe je

d=Rw(a,R)

Tge (a,R) os Haraba ytas unio ta santos.
pojy apabe a u R. thaj ytas fightan je
apema apaburuma aharuniunse Tes
menipuje

(x, x) = (x, x) + (

ito isones fe

 $cos(x_1R) = \frac{x}{R}$

 $cos(y,R) = \frac{y}{R}$ $cos(x,R) = \frac{x}{R}$

oj ai

d=xma+ymp+xmy

Ogaine je

gs = 25 ms 4 + 35 ms 6 + 25 ms 4 +

+2 ray conscarp + 2 yr corp cory + 2 xx cory and

of amol

2= 2+ 4+ 2 - x cm24 - 4 cm26 - 2 cm21 -

- 2xy cos a cosp - 2 yz cosp cosy - 2xx cosy cost =

 $= \infty^{2}(1-\cos^{2}x) + y^{2}(1-\cos^{2}b) + x^{2}(1-\cos^{2}y) - \cos^{2}x + \cos^{2}y$

- 5 and an a carb - 5 de carb and - 5 de carb carq

Source je

 $S_s = (A_s + x_s) \cos_s \varphi + (x_s + x_s) \cos_s \varphi + (x_s + A_s) \cos_s \varphi - (x_s + x_s) \cos_s \varphi$

-sadouroup - s dr out out - s da out ou q

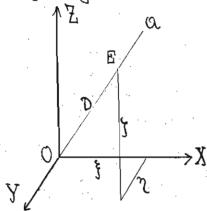
Banuchum ga como obambe jegharunk ita-Tucanu 30 che enementie tochanipanot there , go con tominoskum closed of una jegnarunta ca macom un un maumpa-HOT EREMENTARA TRA CASPANU; TO GOSTIGAun god led Harmin

 $\sum wa_5 = cm_5 \pi \sum w(\lambda_5 + x_5) + cm_5 b \sum w(x_5 + x_5) +$ $-2 cmb cm \lambda \sum m dx - 3 cm \lambda cm b \sum m x x$

um

Ja = Ja comed + Jy comep + Jz comey --2 Lx cond comp - 2 Ly cony cond - 2 Lx cond comp

Tutiajno caga rarro he ce memaun uspas Ja ans oca a byge mensana dojy opujestuazujy y upouropy a aponosinis reas a gocay repos tanney O. Lia godujeno jacny čnurej o sabucho-



you of very use oprijestiturijuje oce a 30m uchumo ga uno THE YOREHUM COMORES M are or abeneun ditskmin of 1500/10 to mitbepsito apourpusus-

Harita paguyay wtepyuje ga ūpu zemy amone aim assi of

 $\delta^{\sigma} = \sqrt{\frac{\mathcal{M}}{2^{\sigma}}}$

Herea Syge garere $\partial = \frac{R^2}{\rho}$

Tge fe 122 jegita assumuloita izonamantaia. if curios

D= 165 / 12

· area ce memo a aprincipaj oce a, ortigia ce me-Ha u benuruta usposa Ja, ganne u benurunta paguyca untepyuje ga, ta tipema vione in gyzkusta D, garène u vionisokaj warne E ita upabaj a. Uwaajmo ita reavign anothment verke marrier s area oca a menoia chuj tronomaj. Bana garzne go Hahemo jeighy jegharuny womeny surregues u ?, r, ?: 3 sarreur avanture 1804 auto Havia; wa jugharunta ouhe jug-Harmta aubpoint in ienjuj ce iepetre warrea & areo oca a merca chy tanoopaj.

Us chure chegyje $\xi = D \cos \alpha = R^2 \frac{\sqrt{M}}{\sqrt{J_a}} \cos \alpha$ $J = D \cos \beta = R^2 \frac{\sqrt{M}}{\sqrt{J_a}} \cos \beta$ $J = D \cos \beta = R^2 \frac{\sqrt{M}}{\sqrt{J_a}} \cos \beta$

Us obua jegitarinta u jegtarinte 2) basa erumutucainu yinde a, puy, iia hemo goduinu iipaskeity jegtarinty usmelyy §, n u j u sagantux ijegitarinta cherjyje ga je us tochegroux jegitarinta cherjyje ga je

$$cosh cos f = \frac{15. W}{4^{a}} 2 \xi$$

$$cosh cosh = \frac{15. W}{4^{a}} 2_{s}$$

$$cosh = \frac{15. W}{4^{a}} 2_{s}$$

$$cosh = \frac{15. W}{4^{a}} 2_{s}$$

$$cosh = \frac{15. W}{4^{a}} 2_{s}$$

cosa cos B= Ta & Ta

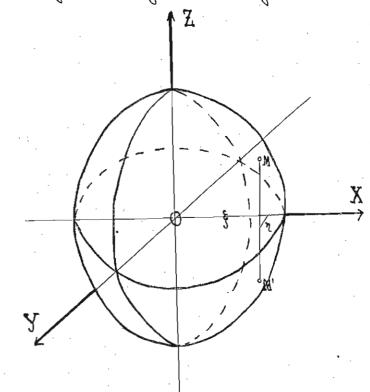
Obe bperghour barra unabum y jegitaruhy 2) un gobujamo ita unaj itaruh $J_x \xi^2 + J_y \eta^2 + J_z \zeta^2 - 2 L_x \eta \xi - 2 L_y \zeta \xi - 2 L_z \xi \eta = R^4 M$ 3)

Obo je jeghosuta apartert adopumte. Oba jeghazunta je yentaapito umetapuz-Ha abewa manen O Pab avorth gardaposignifica in solved alips also (fing), garene jugata warner as with - ENDOPORTE LA SOLVETO , ENVORTED HINDOLOGIE la u tama ca 1200pquestarama (- &, -n. - 9.1, jep raga wasums voe gpyte opegitumu y jegitazuty 3) 34012 - 1te ymure Humaia. Obé voe morre (g.n. g.) u $(-\tilde{f}_1-\eta_1-\tilde{f}_1)$ neske cumetapunto obsupom Ha warry O. Ogcarojane warre Oug war-Be E jeghanes je D. The oguacijance He moske sume gensbaites permes fob en orda momentair unéplyaje la mopais burin palan Hynu, a momentain unepyluje AT MOGUEGO RUDE TOHISCOHUSI TOURQUY

apous booty or the more dual palant typu sep aperatorous soup comuse them sep aperatorous, sep se mara enementar m your assumintes a national than a source of uppoises to sure of uppoises to sure of ξ^2 , η^2 , ξ^2 y jughter when ξ^3 your of the sure of ξ^2 ,

Us cheta obot energyje ga je anophimmen orbitains being abedinaping-Ha j'egitazintom 3) eruawing Maj eruawung zobe ce enuitaring miephinie cocomanipartoi viena obsupom ita viena O. Maj enuawing uma tipu oce Hopmanite jegita ita gpyty Jegita og nour apegatabora marecumanant gujamettap sa che pabite apecerse isoju aponase Rpos roy; apyta apegatiationa munuman Hi gujameniap, a ripeha je oca 3a Hethe apecense markungen a sa Herre mu-Humigm. Usmohy astanuaurite Tesmenipuje morke ce us jegharmite 3) Ogpeguitu opinjertuanjuja una Trabitua oua uochlampanož enuicousa y apocinopy.

Hayyu (En) ogiobapa by appertion Re MuM Rufe cy cumenipulite apenia pab-Hustu XY, garene og-Troupajy. gbe benurute qu-4 a the 31402fu ga ano



proce & Trustita oca untepyzije, ga ostoja projitariuta enuticomoja mopa butu zuuto rebagpatiunita obsupom sta ocy X, tia

Ja 52 + Jy 72 + Jz 52 = 12" M

garene areo je oca & mabita oca intepizuje benuruste La u Ly umresidosjy tuj

2 α=0

Ita unitu Itarust moskemo goirasaniu ga ano je X jegsta og Trabitux ous uItepyrije, ostga je ermicomy cumenipurost og supom Ita pabitusty Yt, isa sano
jegtas usta 3) mopa omin rucino irbagpaniursta obsupom Ita f. Irpunepujym
ga je oua X Trabita ous ustepyrije je
upema nome

 $\mathcal{L}_{\gamma} = 0$

a izpuniepujym ga je oca y trubita oca wtepyuje je ita ucini itarust

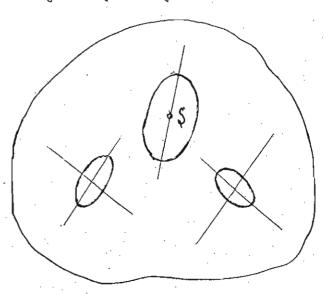
d2=0

Josh ape opunse Homite ace 'ottoba Prostasmite 5) n 3) dopn-

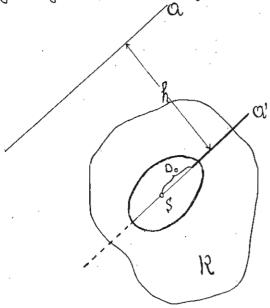
Ja= Ja word + Jy worp + Ja wory

30 clossy transy y treny moskemo 140 traj Haruh 1204 carpyracutu enutaving u 140 pyracutu enutaving u 140 pyracutu u pasnuruto oprijestavia-141. Othe he olite trum behu uto y momentari untepyrije obsupom 140 yozesty transvy momou, tra 120,000 cmo trasosa-nu ga cy og closa trapanentua oca momentari untepyrije obsupom 140 oty ocy 120 pa uze 12003 treskutute Hajmomou, tra 120,000 tre enutavia, trasos como trasosa.

opening of the stage of the sta



Hepyrije, vitga moremo ogpegumu momeriam unepyrije 3a charry apourolono-Hy ory a 1ta voaj 1tarunt: arnorumo 12pos



inestrumine & suginestrumine & sugity ory a' 120ja je
arpanensta 30gostoj oru a. ilio
oca a' Herra uceuga us enui couga paguyc Do
altoja je upema
upehamnoem

Do= K2 /1/10/

Tge J. 031tors aba momeriam untepyluje tocomani partoi tuera 12 Obsupom 140 vy a'. 3a tio se benurusta Ja ogpeherta

$$\lambda_{x}^{\alpha_{1}} = 16_{1} \frac{y_{x}^{\alpha}}{\gamma \gamma}$$

LOROS ONU CAO MITAGIHEPULO TIPULOUN GIA Ja j'eighore Ja= Ja' + Mh?

Tye h 03 Haraba ogutiojane obejy oca a u a'. 3 auto je

 $J_{\alpha} = \mathcal{M}(h^2 + \frac{12^4}{D_0^2})$

Ha tiaj Hazur uno ogpegunu momertati инеризије объщном на произволну оца. areo cy momentia unepylye 06supon the goe itopinante oce melycooth jegharen, ortga apenasu enuturung u-Hephylije y politickýmith erutický, aa cy momentain unepyrije obsupom ita die gujamente netvota erbanopa metycosito jegitareu. Orro cy momentaru whep. yuje obsupom the upu mehycolito Hopmante oce jegnoneu, orga apenasu emuticolog utépyaje y rytny. Tano cy 11. up yest imparatu eninacongu sousse, oremacypa, aestautosygeszacypa szytne; the chergyze us thota with mospens repos mestrumme mux mens monoxum upu IMPMONITE OCE OBSUPOM HA POJEJE MOS mepuja jugatures pautopetjerna.

Upuney Sa. Pourayustu eruawug Haman je beh Cauchy 1824 rogute, anu je netoby baskitout sis uposňeme gustamuse youges u gossasas tress First, via ce samo viaj environz usobe oburito Poinsot-do enimading a iture na ayuropu Horsubajy u Cauchy-Poinsut. - do ermanung. U Binet - vounanan-HUM 120019 pour munera pour l'évents munes TUTORPRA JEIGNATI ENLIGIOUS. NU COMO 1800SÃnu ga Binet-ob momentau unepyluje godyjamo ano enemerture asconatipattoi werra womenskram in 130 and man par atiojamos og jegite palotuste. I perfecemo ru ita itopiniary we pabituste jegity gy-मध्यम् । राष्ट्रेष प्र धीम् एकिया प्राप्ति प्राप्ति । Ha Binet-woom momentary, an nionaupyuwerns un the way thereat the syskute rest outrobajy counce palituitama 120-Je ingy 12pos ucity thanky 0, the Gobija. no vien jegan environg. Meuro ga aberto mus, are disherte marso do ril mypoposito aposiopy whante their in oga-

Supanu gupeniin upouopyuunanik numentiuma, uo meuio Prinsut-uoi enuicuuga gubujamu <u>Macceullayh-</u> -ob, a meuiu Binet-uoi <u>Culman-ub</u>, 140 og chujy enuicuuga Hajbaskhuju je Prinsut-ub.

Over the manifering a acmount particle of the weap chiral party participation of all more year that the jegity participation was year mempurhum warrawa as a contract of the mare, we charact the mare well participation of the mare well and the appropriate of the weap of the the participation of the the participation of the the weap of the the weap of the the mare of participation. The weap of the the participation of the participation

Sepuno wy pabHuty 3à pabhuHy XY 36ve umew.
Hy vy 36ve umew.

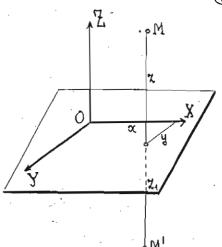
puje voji vo capa

doncy warva M

yyta warva M'
Hoisa uma uwo x

u y , uwo X 1to

opowub ito 3hara.



U mace obejy tronaise cy jegnance satio sa obe goe tronse M u M' troutogu jegnarunta

m x x + m x x = 0

u j'eightarunta

myr + myr, = 0

sup ey mace jughanze, benurunte a u y wa-120 he mehy coom jughanze, a

Obarebe jegnarunte morkemo itatuciantu sa che cumentipurite tapube tuarara, tua arro ux casepemo, tuo gostifario jegnarunte

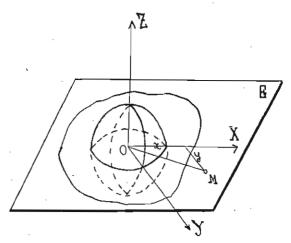
 $\Sigma m \chi \chi = 0$

a voe cy j'eghannite, isaa unio cho beh toisasanu, isp uniepujym ga k va k mabita vaa unepyyje.

emu unea chredationi as and sundo if a escha sundo este aprico, etienam chipadened sind chem pana pura escape esca

pablituta cum empuje, va je savo charea Hopmana vae anore Thabita oca untepuje sa apo-.

gupt sa upo-, gupty warry, a wa sharu goe ore neske y pabyuntu E. Pabyuntu tha E warygapa ce upema wo-me ca jeghum



Trushtum tipe cersom entitionaga unterjunte tour je tromatipate timbre. Hay ptitatu entitioning je trushtu entitioning unterpytye sa troma 0. If obome anysory booke join a cregene periodicije: oshorumo nu koopgultatie tipousboonte tionke tirore M ca (x,y) thouse tipousboonte tionke tirore M ca (x,y) to y momentiu unterpytije ossupom ita izoopguhotiite oce tipegatioonetu uspasuma

Jx= Emys

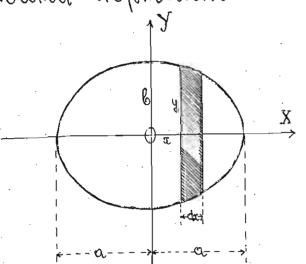
 $J_z = \sum m(x^2 + y^2)$ Source se y vous crystagy $J_z = J_x + J_y$.

<u>Upumepu</u>:

1° Моженай инеруще епий-

wwite anore.

Usparyhajmo momentari untepunije erustrumte timose obsupom ita toeite trustite oce u ita ocy roja circyu ita nouma itopmarito. Erustriumta timosa



TENER UMA TYCUIUNTY & , UA
UpertuocatabuMU GA & XUMATENER UZ; GA je
& 12011 CUION HAND.
OHGA he uzeHUMAR UE UTALE TULUTU Y
UPENTUAP ENUA-

ce, va he voe manue voe vie envisie u

uipeha oca 120ja 170 munia 140pmanino uivoju ovuin Triabite oce yestiipanitorenuicovuga. Jegharusta enuice 120ja orpasturaba vocmanipasty vinory je

 $\frac{\omega_s}{\chi_s} + \frac{\rho_s}{A_s} = 1$

a u b cy tanyou enutionse. Pacitiobumo enuticy y come yose tipyte tiapanente och y llis je momentati unepyuje tiansbe jughte tipyte obsupom ina ocy y jughans

dJy=82y dxx22 ua fe sauto momenati unepytyle ruuate trore jugnar

 $J_y = \int_{-\alpha}^{+\alpha} dJ_y = 2 \int_{-\alpha}^{\alpha} dJ_y$

garere

7 = 49 5 y 2 vla

Human me ans. Us figharente erracente creatife da je

$$A = \frac{\alpha}{6} \sqrt{\alpha_s - x_s}$$

us le Borsue

$$J^{4}=118\frac{\omega}{\wp}\int_{0}^{\omega}\sqrt{\omega_{s}-x_{s}} x_{s} dx$$

Carolino

x=asinq

oganene je

dx=awydq

wa je

7/4= 6 pa, 24 mod mod qd

150000 je (5 mil 000) = (2 mil 000) = (2 mil 24)2

a apenia ospacinj

 $\lim_{n \to \infty} \frac{d}{2} = \sqrt{\frac{1 - \cos d}{2}}$

Suhe

 $(\sin 24)^2 = \frac{1 - \cos 44}{2}$

a je

7=9603 50 1-0049 dq

Us jughanuste ajacantingujuje cherzyje

ga je

30 x=0 q=0

30 x=0 $y=\frac{\pi}{2}$

un je samo

$$30000$$

$$3y = 6039 \left\{ \frac{1 - 0049}{8} + 0(49) = \frac{10039}{8} \right\} = 6039 \left\{ \frac{11}{4} - \frac{1}{8} + \frac{11}{8} + \frac{1}{8} = \frac{116039}{4} \right\}$$

unu

Tobpienta enuace jegnama je

a maca Hoesta

91100

was be some

Ha ucin Harun gobijamo ga je $J_x = \frac{Mb^2}{\mu}$

a J_2 je jegitorov apema apehanimem $J_2 = J_x + J_y$

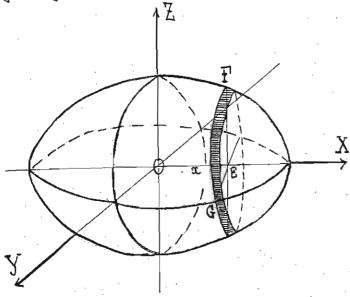
MENERO

72= W astes = 11 & ap (25+ 65)

2º Momertair untepylije xomorentor environga obsupom the metube Trab the oce.

 $\frac{x_s}{x_s} + \frac{x_s}{A_s} + \frac{x_s}{x_s} = 1$ Estimation the europeanity of

Tge ey a, louc met voe to rejuce. Apaskumo



Netur muMetur muMetur

HOPManto Ha vey X. Maca the timbre feg-

Totapa apehaninem momertain of stars is

 $d \int_{\alpha} 1 \cdot \xi \cdot \xi \cdot \xi \cdot dx \cdot g \cdot dx \cdot g = \frac{\xi \cdot \xi \cdot \xi \cdot \xi \cdot \xi}{\mu}$

20 du ce intratiparina moina usbeum toana benurunte Et u Eg uspasumu veas copynteryus og x benurunta Et je atinuteama upecerea en uticoruga ca pabituntum XX. Fugharunty tiota tipecerea (20) y kenurunty tiota tipecerea (20) y kenuruntu y = 0, garere

 $\frac{\partial_s}{\partial s} + \frac{c_s}{\lambda s} = \frac{1}{2}$

oganene je

 $\xi f = \frac{10}{C} \sqrt{\omega_s - \alpha_s}$

Benurusta Eg je opgustata apecersa e-

The vivia imperense is
$$\frac{x^2}{\sigma^2} + \frac{y^2}{6^2} = 1$$

ause y su

$$\mathcal{E}\mathcal{Q} = \frac{\partial}{\partial x} \sqrt{\partial x^2 - x^2}$$

3 amo je

$$q_{1}^{2} = 46 \frac{\alpha_{5}}{6c} (\alpha_{5} - x_{5}) \frac{4\alpha_{5}}{(c_{5} + c_{5})(\alpha_{5} - x_{5})} q_{1}$$

ensago

$$J_{x} = 2\pi g \frac{bc(c^{2}+b^{2})}{4\omega^{4}} \int_{0}^{\alpha} (\omega^{2} - x^{2})^{2} dx =$$

$$= \pi g \frac{bc(c^{2}+b^{2})}{2\omega^{4}} \int_{0}^{\alpha} (\omega^{4} - 2\omega^{2}x^{2} + x^{4}) dx =$$

$$= \pi g \frac{bc(c^{2}+b^{2})}{2\omega^{4}} (\omega^{3} - \frac{2}{3}\omega^{5} + \frac{\omega^{5}}{5})$$

dorsue

$$J_{\alpha} = \frac{4119}{3} \frac{abc(c^2+b^2)}{5}$$

3 au peninta en nui conga jugatura je

 $\frac{4}{3}$ abc $\overline{1}$

a maca metuba

$$M = \frac{4}{3} abc \bar{n}g$$

ij atrol

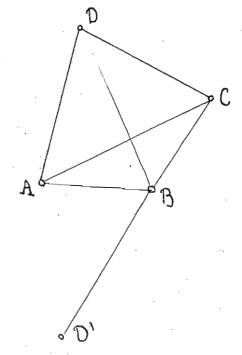
$$\int_{\infty} \mathbb{I} \mathbb{I} \int_{0}^{\infty} \frac{C^{2} + C^{2}}{5}$$

Yusenursom tepmyteaujom go-Oujajy ce momentau untepytuje obsupom tha outeane oce.

<u>Meru enemettuu Prutema-</u> <u>uure rpyuux viera.</u>

Marienujanite marise jeghura reputation therea besont by unboupingaburito jegita Ha apyry, the he south repetitione monerolota una yendenadanu usbeche penanjuje usmehy ūyuūana nouaubus ene. meriana. The chera je jacito un he repewanse aschampanoi were Sumu goway 140 ogpehento areo Ham oggy dura to-31taria reperience netobix ripujy traversa wor it neste y ucuroj topaloj. Usmumo que trostrojemo Repetitorne tapis my maranea I, Bull in apenia mome y Courson momentary wuxer tonoxias. Ongra Ham je u turoskaj jegite apousboro-HE worke D as concert partor were to show

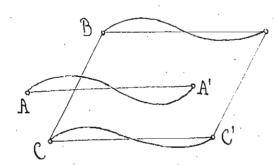
jep y ogunojana. the tharise AD, BD u ed og zaganux waranea octavna Heпротенена а тит ogatiojanema ogpeheira je u marka D. Unauria aum ogcitiojanouma ogroba. pa jour jegita mar 120 D' 120 pa nesku cu Mempurito apenia apley odsupom tha



pabituty the, are nance ce charea tianna tipu revitativity upitom repetitanty tiena moske tomahu camo y choye cycegthe tionospeaje, to he ce mohu natarto ogpeguie tha revioj cirpante pabitute the respect tianses D.

TPECULOINO RPETICAME RPYTICE TIENA.

Rpehe su ce repyon vien via-



mome repensively

Tapanente u 12011
Tapanente u 12011
Tapanente u 12011
Tapanente

A,B,C ascomonapontor arena vaucyzy asponenie u 12011 aunyupie ayarone aj. Al' || BB' || CC'

wow moon

AA' = BB' = CC'

Umano ga goirospeno ga je marevou

12 pettance muzyhe. Ogodepunu gbe tipousboniti tiance tiene Bu C; 011 opa je 30 ot 70 produx yen oba tipada 1313' tiapa nentra tipady CC', a tie cy gbe tipabe otieti soli tilux yenoba mebyeoto jeghane. Sata ze retilopoytaonune 1316'C' tiapanenotpan, tia je 360 tiota 1818-1916'C'

Oba: jeghorusta neartje ga ce ogutojame transvara Bull stuje za lopeme
spetrama tramestura. Tho ce moske go
seasatu za che transe tra se zatio tra
spetrame motyhe. Tearos je
BCIIB'C'

The moskems topanen satisfaction repetition of the repetition of the repetition of the repetition of the periods and the restraints to the restraints of the

Pouranjuoito 12 peuranoc.

Rpehe nu ce ao montrporto 12py.

The vien trongs of so beene rutus.

bota 12petroros ofe og vetroux tro
rorsa 14 menajy choj tronoskoj, ortoga

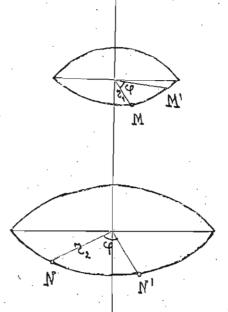
g tronegunga trota oga he che travase

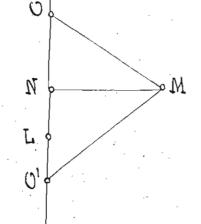
120je nege 140 tronoskoj suju troja tre

ope marse ou o' ocutamu tiarente Hetomurite, sep oguiojana o'x u o'x upojana o'x u o'x upojana o'x u orone
to upale outajy,
the upale outajy,
the per tiero itpytio,
the pomerosta, a
the como othora
motyhe areo u tiar-

UO' HOSUBAMO DUM POTROLLUSE, ROSE y gane oguanjama om u o'm jegnte TOPROUDE TOPROUD HISTORIES SHOULD CONTROLL TOPROUDE TOPROUD TOPROUDE TOPROUD TOPROUDE TOPROUD TOP - ugu i y au, atrondajugadota ansi ytas 00'M Heapomentouls, as he sains i ogutiojanse MM mante M og oce 00' outraite sa lopene ruitabotà 18pewans neapomenento. Vianna il viucubahe trèema tione jegan reput 120jeta pabitinta caroju itopinanto ita ou pourayuje u riojeus yerrurap auga y ou potronjuje. The basker is see charry apyty

charry gryty worky worky avenus, we he u worke to reput ou - cubout u jugar to the work ou to reput. Og- conjure of the constant or the cubout of the conjure of the conjur





pelog jespena jud sonsmy apoly

puma 14120 transo M other y tronsbornion bremeny t grav of, the u

transo M y utawn tron bremeny other
could utall traj grav of, ger ce ogether
yourse transo M u M 114 menso 30 brems
repetrona, a tro se como vinga motyhe
and ce obe transe transpe 30 utall ytas.
Og transe go transe menso ce trema
trone to a og bremenso yo bremenso
ytas of tryth was to transo M y bremeny t trebanuna segnores

ūα νονλο χε ε, περοδικόν ου δρεμενος τω χε δρομικά το πωδική τονλος ζειχη ανδα

1= 15 1 gg

CONSTRUCTED CONSTRUM

 $\frac{dq}{dt} = \omega$

is an inchied mationing ans gravit in

Rasanu uno ga cy ytrobu q 3a 180je ce asmepajy trame tocm attpantot trena y uation ustriepborny openesta jez-Hoszu Bouto he w outin y yorzestom momentay openesta jezstosz sa che tionsze tocmatipostot trena, tra he opzusta Vz transze M outin

The N y openesty t jeghan?

va ce guchepentyupanem goduja tipeg. Na jegitazusta.

arrigenepartique p mobunité tion

136 led House le

 $h = \frac{\partial f}{\partial x} = 5' \frac{\partial f}{\partial x}$

Berusuity

h= Offs

Hasubano <u>yinvortom arezenepazzyjom</u>, ina je saino

a mantenty minney M 1804 maca

Herea Sygem jughtareaje P=m dv=m2,y

Us ucitua pasnota ison u tipe je y jegitum yuzertum mumertuy bpemerta je sa che tuarise tuena ucitu

Orso je giovotra opsuria w 1204wa morni chidad of s potro, and morni giovaria y morninga se pourousucoro je y insumulatio chidusureai o standousure ja yopsarta, a ara je trecomulatio otto je yunoperta.

D'alembert-ob apunyua.

Mochampajno repersance jegthe abone possible interest marriebring jantiux marara maj cumen mosse Sumu jegito izpytus there and ite mopa 14to ce moske cacacojana u us jegnot rutialor cucirema reputiux were besonux y wjegunum warrama jegan na apytu, a mozy tojegunu genoble tapta cucii ema butili u con-JUDINU JOSUMU ISPETIONE JUDIK TION-Re word cucui ema, wa he wa warrea y yorestom momentary umania jegyty usbechy anxyenepayayy y. Ones cy INDOPOSITIONE THE TRANSPERIOUSE (x, y, x), OITAGE Il the arry enepayaja tregatione-HO CERTUPURUM BOUDOM

$$\mathcal{L} = \left(\frac{d^2x}{dt^2}\right) + \left(\frac{d^2y}{dt^2}\right) + \left(\frac{d^2x}{dt^2}\right)$$

30 spage reasyly gave remaintentie umajy casporal bereatoporen. My jegatamajy motru como reatucatin u y obom obrusey

9= d2x 1 + d2y 8 + d2x 4

TORE V, J U & USHORYJY JEGUHUNHE GERunope y upolyuma 1200pozientouithua oca Ita my tochampanty maney gezaught there or cooperative come isok young Ha toom out party cucinem. Te-3 yrui astiia irux caonstux cuna Herra Suge of Cen tuois youry Ha asconduit party warrey a there og whitephas ina tochotapartor cucirema taj cune revje gejanbyjy usmeby usmounparte marise cumena a other mararea cia resjuma je ma marrea y besu. Pesyn-DESIGN DIVIN DIVING WHAT DIVING INTERIOR Type of. Modunita viennea usbaha, near miss con reasone areyeveloughly of

The last welly may obstazione as m, in 3Haril gia ce vita tivares repetre reao reag ou ita voy gej ctivo vo ana cuna mig. Thy cury strontown echeretiubitom curom. Ita tis chratiparty tivor
rey gej ctivo vo are cy cure of a othe
uso afa repetitance reas reag ou stary
gej ctivo vo are sure of a othe
echeretiubita cura mig. Sitaril gia
echeretiubita cura mopa outur pesyntiantaia cura of a of opa oucho
go outur to area outur sepertance, garene
of of of mig.

unu

10+ cf+ (-mg)=0

mm

Σ\$+\Zq=\Zmy

Ha iochampartu cuitaem gejundolone. cy une apequationerse cymin 27, a usasbane y y curbapu cure apegcuiabriere cynim Emy, us apenia D'Olembert - vour apartiquay mopojy wa you cuchema cuna megy woom Sumu endudonentinta vij. vocalanton-HU cucrem viena vipomentus je cironite une y endularentante cucinem, a via 3 Haru Thije y cirbapu The jegsty og -SNOW MILLY CHIMILLY WILL SUMM SUHMOWED by 142by cury carbopus. Bains je garene

viva rode of an

2\$=0

- SHOW GO UJ CE WHITEPIH UNE MEBY COSUM TOHUMITURE Obo TOHUMITUSONOM WHITEPHUX CURS CREGUJE Y OUT GROWN U US TO SHUTUS TPUNYUTA GREYUJE U pearezurie jep cy goe u goe og unturep-Hux una yvere jegnare ua ce uo-Humanbajy.

Hem or in money:

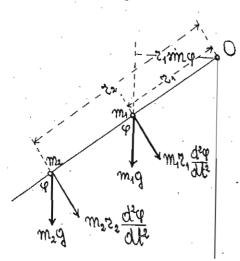
Σ\$+ Σ (-my)=0

110 yserve gpoke ce y possitoriesku.

wome course upodnem gustamuse Ha upodnem Cousture.

Upunep:

wa by wycumu camoj cebu. Ortga he wa



ionyia ocyunupawi. Ray ou chavea og warara m, um, 👢 nuitra sa cede ga ochio, odminuo Octoanor morti us 15 peut avre bure No gry aurossisati charea on your ca-

remarkano fedito martiemarian severi-140, a nouscobo como reperisame beh ucaumanu Luchepertyujante jegstarute nouxubur repensancia Sune su y vion chysajy sa tipby thomsy $z_{1}\frac{d^{2}q}{dt^{2}} + q mq = 0$ $z_{2}\frac{d^{2}q}{dt^{2}} + q mq = 0$

Thorse ou the grape out apera aperament, a opera aporte and $O_2 = S_2 \frac{d\varphi}{dt}$

 $J=I\sqrt{\frac{3}{6}}\left\{1+\left(\frac{1}{2}\right)^{2}\sin^{2}\frac{\alpha}{2}+\cdots\right\}$ व उव युवपुरपु क्वारास्पु $\mathcal{J} = \sqrt{\frac{2}{9}} \left\{ 1 + \left(\frac{1}{2} \right)^2 \sin^2 \frac{d}{2} + \cdots \right\}$

Tae a 03Haraba aminutayay Ras mão войдить из обих једнолина периоде HESTE Sure jegHarre 3002 HejegHarroute gypkuste reparea, the ou reparte renatito tily maca my och maroparan obske 14to ma ca m2. Y Hamen cy chyzajy obe mace metycootto besonte àa apucunente qua usbahajy ocyunazuje ucite tepusge. Bouto he ce voyunoijuje mace ma mopartie yobsanti a mace m, yatopunt. Uluniajmo garene rearevou he repetitante usbatiain obe marke raga cy metywolto asjette y yozertom momentary le Obsusta abbe manse si jedhansa

Tem do

u yertüpuüeüanita $\mathcal{P}_{g} = m \frac{v^{2}}{g}$

TONEY MY GETATERTY OF

 $m\frac{dv_1}{dt} = m_1 v_1 \frac{d^2q}{dt^2}$

u cuna

 $M' \frac{G'}{\delta'} = M' G' \left(\frac{qt}{dd} \right)_S$

Expersion whe were note gejately the macy m_2 just have m_2 $\frac{dv_2}{dt} = m_2 v_2 \frac{d^2q}{dt^2}$

 $m_2 \frac{v_2^2}{v_3} = m_2 v_2 \left(\frac{d\varphi}{dt}\right)^2$

Cen vivia gejarbyjy tha aventarposte goe vianze aronte cure

My Y

apena D'alembert - voon apunyuay mispajy ce tima clour meuti cuna, tipu very zerrupu experituble cure bana your a netamubitum sharom, apoperation y palitoriere. else une neske y ucitoj beparisantoj pabhimu, ua je yendo publitameske uspasken n. up tiume ga 30 up noux obux cara-TURISUX MOMEHOLTO OSSUPUM HA TRUreposited mouse homemore more more more more properties in pa Sumi paban nyou Ogadepeno nu any warrey warrey 0, was ouguno ya yestüpuzeñanste une upbe u gpy-TO TO THE EDGE ISODAN THE TENDER TO THE TEND wow of sommer in a some of the obsupon the try travery poblite ityme, via ce u 14 vojabnyjy y jegitazumu. Outrajy jou camo retilipu cune: goe markesty yante u gue une mestre. ManTertyujanik cune itopinanik cy ita paguyc-berzwopuwa z_i u z_i a cune werke sawbapajy sa paguyc-berzwopuwa yian q. 3awa he jegharusta izupa us-, parkaba ga ze soup cwawursua momeitawa wux cuna 003upom ita warey shundo jedo unusum unutu obaj obnuse $m_i z_i \frac{d^2q}{dt^2} z_i + m_z z_z \frac{d^2q}{dt^2} z_z +$

+ my 2, since + m2 9,5° since = 0

y oboj jegnorum umany obu rrambu uciu 3402 zaina sep se inantentyjarina ura instrumentyjarina isaga gejanbyje y apabyy y isojem ce op ybehaba, ito mu mopamo yzeinu ecperstrubite ume ite-tounulito ina zaina sawispehy che isab uma ce us crusze bugu y ucinam cmu-cry ozo inanse O. Toproj jegnorustu mozemo yainu u oboj obrusz

(m's; +ms;) gsd + (m's, +ms;) 2 swd = 0

m151 + m255 - 950 + 2 sind = 0

OBHORUMO benuruty

 $\frac{m_1c_1+m_2c_2}{m_1c_2+m_2c_2}=\gamma$

us godujamo jeghanung

 $\lambda \frac{d^2q}{dt^2} + q \sin q = 0$

Oba jegnarunta ogpetyje Itam Pepetrane cucinémia. Uctio transvoso repetitione goodinu ducmo seag ou jegnta jegusta viarisa abonspopije mare a hodraniami 1 ocympolaria vier marree O, jep vou je yjegito u guchepertyujanita jughtaru-14à, must emiata unient ienatatha gyzku-He s. Wa sur vir eniciea inorvea revisa ce Harvary y og caryjany i og aarne O u revja usbaha ucine ocylinazuje Rose à tronyta Omima ogstocito obé tion-120 m, u m, 1200g cy civierte 3060 ce yestiap ochunazuje.

Frabile jegharuhe Gunamure cucinema.

yorum jegan cuciem mailpujanitux maransa u y nemy jegity
mamepujanity maney mace m. Roopguthome me mane obsupom tha jegan
themomoran cuciem thisa byry x, y, x.
Ottga cy teomion entre answerepayaje
me marise y yorentom momentary y
tipabyuma teoopguntamitux oca jegthare

 $\frac{d^2x}{d^2x}$, $\frac{d^2y}{dt^2}$, $\frac{d^2x}{dt^2}$

in some gejentbyje ita my maniepujanity marrzy jeigita echerandotta cuna izoja uma obe izomnostentne $m\frac{d^2x}{dt^2}$, $m\frac{d^2y}{dt^2}$, $m\frac{d^2z}{dt^2}$

Ha yozerty warry Herra cem wota gyarbyje jegita caprita cura noja uma nomionentie

x, y, z

yoruno nu che marre cucia ema, tao ce upena D'alembert-voom apunquay cicarem capolituse cuma mupa apopea. un y palottomesku as aucomemor ite-Toutubito ysettus expertitubitus una a the 3Harre tipenia tipaburuna litia. aux sours Hornochus quos sour una y de apu apalua 1200pau Havitura oca , a ocum vivia u 30 up and sur simplement surverince in agambam ita isnabantaninte are unbra Sumu paloan Hynn. Apenecemo nu Ognica Héramubite manure muse to. tainy og espereutublius una ita gryty company, ou googiamo enegenus ment jeghannya

$$\sum m \frac{d^2x}{dt^2} = \sum x$$

$$\sum m \frac{d^2y}{dt^2} = \sum x$$

$$\sum m \frac{d^2x}{dt^2} = \sum x$$

$$\sum \left(xm \frac{df_s}{ds^{d}} - \lambda m \frac{df_s}{ds^{d}}\right) = \sum (x\lambda^{d} - \lambda \chi)$$

$$\sum m(x\frac{d^2y}{dt^2} - y\frac{d^2x}{dt^2}) = \frac{d}{dt}\sum m(x\frac{dy}{dt} - y\frac{dx}{dt})$$

Jep and usbergens gurpepentyujayujy

Ha gentaj uspantu iso gobujano dan

usa neby uspanty jegitazune (sep ce

goa znanta santumistabajy); dasis

vuitane ispu guntanunde jegntanunte

gobujajy usaj usnun

$$\frac{d}{dt} \sum m(x \frac{dy}{dt} - y \frac{dx}{dt}) = \sum (xy - yx)$$

$$\frac{d}{dt} \sum m(y \frac{dr}{dt} - x \frac{dy}{dt}) = \sum (y x - x y)$$

$$\frac{d}{dt} \sum m \left(x \frac{dx}{dt} - x \frac{dx}{dt} \right) = \sum (x x - x^{2})$$

Trustite jegnorune gunamure

Heavepegne nonzerbennyuje us trabnux jegnaruna gunamure

Bookdonstance

E. no yo

merkumma anchambanoi cucinema mamepujantua inaransa papeberte cy, 1200 mmo 340mo, jerjitaruntama

ME=Ema

Mno= 2my

M 9 = 2 m2

Tye je

M= Em

u ostraraba macy rumabor cucinema. Lupepestypypymo obe jeghoruste in opementy; un gobujamo

$$M\frac{d\xi_0}{dt} = \sum m \frac{dx}{dt}$$

$$M\frac{d\eta_0}{dt} = \sum m \frac{dy}{dt}$$

$$M\frac{d\xi_0}{dt} = \sum m \frac{dx}{dt}$$

Beruruse

$$\frac{d\xi_0}{dt} = V_x$$

$$\frac{dN_0}{dt} = V_y$$

$$\frac{d\xi_0}{dt} = V_z$$

àpegaiabrajy romionerture opsunte aestimana, a benurunte

$$\frac{dx}{dt} = v_x$$

$$\frac{dy}{dt} = v_y$$

$$\frac{dx}{dt} = v_z$$

2)

apegatiabnajy 120müü1tertüe õp31114 mv. Sunite üvanze. 3000 üvativje jeghanute $MV_x = \Sigma m v_x$

MVy = Emvy

3)

 $MV_z = \sum m v_z$

Upogysou mace mousepujanse worse ca opsustum 1400banu cmo 12bastumuetaom 12peurana; samo benuruste mv_{π} , mv_{y} , mv_{z}

apegationogy isomitoHertite isbantius thetia ispetiona tojegunux matepujanhux tiaransa, a benurune MV_x , MV_y , MV_z

upeganabolajy 120 mino 61 Ta umana jegota obnovijy 120 mino 120 optia obnovijy 120 mino 120 optia obnovija optia o

vien a umana macy jegnary macin rutiabota cucitema.

autobo ao openesty; ao godujamo

$$\mathcal{M}\frac{d^2 \xi_0}{dt^2} = \sum m \frac{d^2 x}{dt^2}$$

$$\mathcal{M}\frac{d^2 \eta_0}{dt^2} = \sum m \frac{d^2 y}{dt^2}$$

$$\mathcal{M}\frac{d^2 \xi_0}{dt^2} = \sum m \frac{d^2 x}{dt^2}$$

Josephanne on y obsup jegharme obe jeghannte

$$\mathcal{M}\frac{d^2\xi_0}{dt^2} = \Sigma \mathcal{X}$$

$$\mathcal{M}\frac{d^2\xi_0}{dt^2} = \Sigma \mathcal{X}$$

$$\mathcal{M}\frac{d^2\xi_0}{dt^2} = \Sigma \mathcal{X}$$

Obe jeg Harmte masyjy ya ce meskumine

cucir ema repetre union viares 1200 1200g ou y nomy ours crossyngestapucarta rutialia mara cucitema u reag du 14a nota gijato dane guperetino des apomente benusunte u apabiga che cause une. Obe jegharunte uspancabajy <u>Moyantob sansont</u> repersamos reopinima cucinema. Us trotor 3012014a chegy's go whitepite cine Hemory Hurearrobot yutungaja Ha repentiance tieokumaa. Vittiepitum cunama ite mooffe ce inextinuine inmerpuint. Samuchumo nu H. ap. 140 vaiconyaito Trivairum muhama jegan batoh itatyweh ca reamenom; there was botton mupyje ; ortga ce notrobo mestrumme Haniasu y mupy y jeghom ogpehenom tonostajy. Us bayumo nu us batorta jegioni aepetti, tio je tia apomenta y partipegy mantepujaria culturema isbegerta ultraepitum cunama u 30 ans ce meskumine eminaporta uninterna

som le condo dogm delite oquens He morke comeputate. Y revolutes ce meper comepus ita jegity comparty y avonusso ce ruticol bossos avmepa Ha gpyty ya bu treskulute outrano Herring other officer officers. Officer us avaa vaucyje banuarunzy izpuby u.j. netybo vienkumine vincyk ving Republy. Pacapuian nu ce un mark, the ce trojegustu voetobu szomarzie 18petionin game tiones you vieta Huxobo sajegiturizo a eskumar oaunije apeljam. My Januaruney 18puby.

Beremopi 18601 that we ema 18pewand umajy choje at attures momental we, that be that was that when the construction 18petal short that the theory and the construction of the construction of the construction of the construction which when the other whose the other which when the other whose the other whose which when the other whose we have the other whose which where the other was a series of the construction of the con

woltentie cy

 $m\frac{dx}{dt}$, $m\frac{dy}{dt}$, $m\frac{dx}{dt}$

a construer momentain agantion its

roopgunate oce jegnaren aj apemos

 $xm\frac{dy}{dt} - ym\frac{da}{dt}$

mu

mx dy - my dx

repersiones obsupon na ory t,

my dr - mr dy

obsupom ita oyy,

 $mx\frac{dx}{dt} - mx\frac{dx}{dt}$

obsupom Ha ocy X. Cabepemo nu che the chiature momentare the gobiliamo carature momentare the gobiliamo caraturema. On he butu apena trome tipezatualonen o-bum uspasuma.

 $\sum (mx \frac{dy}{dt} - my \frac{dx}{dt})$

 $\sum (my \frac{dx}{dt} - mx \frac{dy}{dt})$

 $\sum \left(mx\frac{dx}{dt} - mx\frac{dx}{dt}\right)$

We momertue Hasubano u <u>yinobhum</u> momertuma tocmatipartor cuciiema tipehamine momertue

 $\Sigma m \frac{dn}{dt}$, $\Sigma m \frac{dy}{dt}$, $\Sigma m \frac{dx}{dt}$

HOSUDIAND <u>RUHERPHUM ISDAHILIMILEUILI</u>
<u>MA ISPETIANOA</u>. US TOCNEG XUX TEPUJY
TRODITUA JUSHORUMTA GUNTAMUNTE CREOYJE OJA CY GUCPEPENYUJANTU ISDOUJUEHTUU YTRUSITUA ISDAHTUUTUULIA ISPETIANA TO OPEMENTY JEGHUNEU CITATUULII
IEUM MOMENTÜUMA CUTONITUA OS
SUPOM ITA UCTE OCE

 $\frac{d}{dt} \sum (mx \frac{dy}{dt} - my \frac{dx}{dt}) = \sum (xy - yx)$ $\frac{d}{dt} \sum (my \frac{dx}{dt} - mx \frac{dy}{dt}) = \sum (yx - xy)$ $\frac{d}{dt} \sum (mx \frac{dx}{dt} - mx \frac{dx}{dt}) = \sum (xx - xx)$

Il upbe upu jegharute og Trabtua

jegharusta gustamuse moskemo truca-

 $\frac{d}{dt} \sum_{i} m \frac{dx}{dt} = \sum_{i} x$ $\frac{d}{dt} \sum_{i} m \frac{dy}{dt} = \sum_{i} x$ $\frac{d}{dt} \sum_{i} m \frac{dx}{dt} = \sum_{i} x$

The they was a comparable to the topy them of the they be the topy the topy them of the topy them of the topy them of the topy them of the topy them.

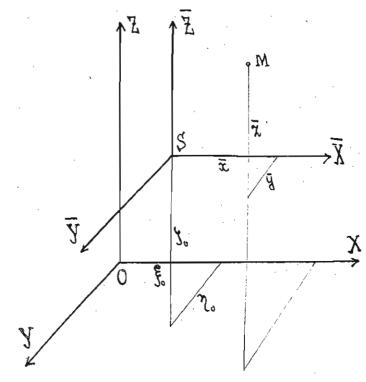
Trobitu ilbanitutett iepetaana toomatipanti cucitema obsupom ita ocy & tipegatiabnest se uspasom

 $\sum (mx \frac{dy}{dt} - my \frac{dx}{dt})$

The some is a best to consider the solvent of is fertile moments of the polynomial consistency the polynomial consistency $\tilde{x}, \tilde{y}, \tilde{z}$ is jets in-

rentions resku y theskming moment in-

panenty. come apbon wow. skojy 150-In mounskoj Itura digge trapanenay hipskanan obigmus me meskung wa Herza



oggy (ξ , η , ξ .), a roopgustate apous bon-He thanse M obsupom Ha Hobu cuctiem ($\tilde{x}, \tilde{y}, \tilde{x}$). Ottora to thing jeightoniste

Engommanmen ope phenditionen d

ropou uspas sa ytrobitu isloasta unieni speniama ; no gobujamo

 $\sum m(\xi, \frac{d\eta_0}{dt} - \eta_0 \frac{d\xi_0}{dt}) + \sum m(\bar{x}\frac{d\bar{y}}{dt} - \bar{y}\frac{d\bar{x}}{dt}) +$

+ $\sum m \left(\xi_0 \frac{d\bar{y}}{dt} - \eta_0 \frac{d\bar{x}}{dt} \right) + \sum m \left(\bar{x} \frac{d\eta_0}{dt} - \bar{y} \frac{d\bar{y}_0}{dt} \right) =$

 $= \left(\xi_0 \frac{d\eta_0}{dt} - \eta_0 \frac{d\xi_0}{dt}\right) \sum_{m} + \sum_{m} \left(\bar{x} \frac{d\bar{y}}{dt} + \bar{y} \frac{d\bar{x}}{dt}\right) +$

+ fo Em dig - no Em da + dno Ema - de Emy

Rasanu como que insettina tiansa 1800p. que materia I, I, I negru y tieque sont tiata tiata jegitarunte

 $\Sigma m \bar{x} = \Sigma m \bar{y} = \Sigma m \bar{x} = 0$

τα με 300ε πουτα ποικολε

 $\sum m \frac{d\vec{a}}{dt} = \sum m \frac{d\vec{y}}{dt} = \sum m \frac{d\vec{x}}{dt} = 0$

ua he sour vous yervorte relocationiente repeterance obsupon the very to brute toperationen obune uspersom

 $(\$M\frac{dN_0}{dt} - N_0M\frac{d\$_0}{dt}) + \Sigma m(\bar{x}\frac{d\bar{y}}{dt} - \bar{y}\frac{d\bar{x}}{dt})$

apou enan obota usposa apegatabna gravoitu istorniama eta ispetiama with ou to unione made of creatifienabreasts I meskining ofendom ita isoopquitatific cucia em "L'y'i ; gpyta roan apegationa ytrobite Boantantett perainabitot ièpeniama inchanipanui cucinema obsupion the modurity cucinem I, y, t. Luchepertyujanitu izvoyuettu with yenrostic resignational espectionnow to bremerty jughtone je citatiturrom momentay intomuse una obsupor ita uning voy t. Yomeno nu ana ossupon the tresperimente cucurema ti.j. worwstum me cuciem x, y, x obsupom Ha ROLL YOUMAND CITATIONSE MOMEHthe y meskinine, his se ostoga

\$0=0 No=0 Oba jegharuta neasyje ga nepetiame cucinema oneo they unitation subvicu camo og cipetoba u og unatumarua momentatua otonitua cuna obsupom no tio tieneunite.

2000aganse peryntratie morkem opover berehamshurcomn: merkamae inchampantir cucirema repetre ce mareo Raw Roig du y werry buria crestryerung carta sumaba maca cucinema u gejcontrave que como sin en esta en esta en construito Ha weskumine. Os Harumo nu pesynwania will iggin a R a cons authorass au In lite daily openham the prestimine co Me, uso repensione weskuming salvucu camo og pesyntiantae of. Hu moskeno worm autipartism wetterny gogathe tipousbornite capetable gove un capetable Itehe womentume persyrumanting & ma Hehe apena aome apomentata the repetitionse

meskummer. Hemore cicimemos osos meof minus saprim cours no construct momentaia cura obsuponi na uno une-Humine mij sabucu camo og urpeta Mr. Mu Hoskemo goganin y rieskuminy cucia ema apous bon'ty cury; gor una cura the meroa cupet me, sep se non whatever momentain obsupom ita tieokumine boroat Hyru. Hu moskemo apena mome y meskumany gogama u curry - R revise he ce us curron of two-Huminimon, lepeniance cucinema ovo meskumma octubre Heapomenoento. encirem ce repetre view irespectuação inasso 1200 1200g Ou vierfermine survo 14chomur-140 a 140 cució em gejantobas camo capet Mr. Obu Banzoitu Buby ce Banzo-Huma Hesabuchoun urpanicnarquie cució ema og potranjuje, tra gosboniabajy ga ce repetitance jeghoù ciutarema pacitabu y goa cienjujanita apobre ma w wo:

1º y apodrem repetitiones wetubot the-

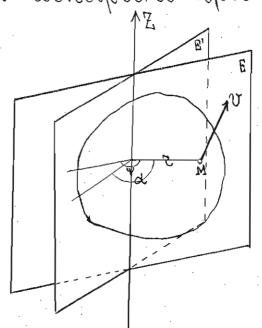
or aboquemon isberionor fedre mogni-

2º y apodrem seperanos cuarema 0120 merkaning mai se aboquem ndenamonos sedite iteramons por sedite iteramons.

Brewowe rpywor wero oro jegne oce roja je opurcupana y upowopy.

- og sist ansir otrograpion de sous squir

wy bay revja je
readmunta jegreadmunta jegry pabitusty E
revja je warenhe
apocaropy. Toworumo cem
wora repos vay
t jugity oppyty pabitusty
ty pabitusty
E' revja je besa-



Ha ca tremm u rega trema trome po-

The one one of year war to the goe pabiline sambapazy ostrosumo ca q. Muy your mensace as openerson. You-- at M yerrow priorodowage yright am maripartir viena. Oguryante vie vianre ug 'oce & USHORUMO CO E. Ytas mino Ta payuyc-bereury & sambapa ca palitution & ostarimo ca 4, a year with the they paguy beretiry satisfaged ca pabitution & ostionumo cà di Raner je pabitusta E' Repytuo besasta ca tu enom in to the of 30 tersity therether married If HUS abucast og openesta. Yiao y me-Nota ce ua lopementom. Us course conerguée ya je

θ=q+d Lupepertyupanem ube ferzharunte gubujamu

वेष = वेष

upomerta do le apena mome à seighom douvem perspejito marchom untareplany opementa sa che manse il mena 12011amantanta u jeighanza apomenta yana unio vo santoapazy obe pabiture En E'. Epsuita V marise il jugitaria je upema upeljamnem

 $v = z \frac{dy}{dt} = z \frac{dy}{dt}$

Berniop Spoure Hopmanant te Ha paguyc-berriapp, via te benurunta rebantium vienna reperiorna apercanalmenta uspasam

mv=mz dq

a momentari vovi 126001 tiluiniteria 12pe manoa unu yinvoltu 1260000 je manoa yveett manee jeghane je

mvz = mz dq

Vinvoltu Roantanien unindois inena obsupom Ha ocy & jughan je

 $W_z = \sum mrs \frac{dq}{ott} = \frac{dq}{dt} \sum mrs^2$

Replyaje obsupom the ory to ti.j.

Jz= Zmr?

aires y ein

 $W_{x} = J_{x} \frac{dq}{dt}$

Obe thanke to constitutive the the transfer of the transfer of

mat

y apabyy mantentie na repyty u yen-

 $m\frac{v}{c}$

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The series of the second the second the second the second the second that the second

mere usperson

 $\sum -m \frac{dv}{dt}$

Sais umanu jegharuty

 $M_{\pi} - \sum m z \frac{dv}{dt} = 0$

Thema abeyaninen je

 $\frac{dt}{dt} = 2 \frac{dt}{dt}$

ta satus gobujamo jegitaruty

Imz deq = Mz

unu

affe Swiss = Mr

of isover b

 $\Sigma m z^e = J_z$

the godinjame jeigherusty

Jadra = Ma

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mount manse

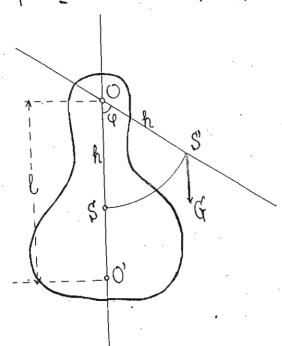
m des=P

us bugumo ya areyenepayuju y ypy-TOM CRYSLAJY OGTOPORDA STUDONA ONSINE repartija j aplom; cina 9 i aption chirajy ogtobapa utaturen mome-Hair Mr, a macim momentaria unepigue Je Iz aven autpartot viena. Umano nu apyto jegsto wew typous onto voin. Ria u appyre mace ito respe uma ucinu momentain unterpuluje, ita ieoje gejanbyjy une une mario ga gazy umu momeriaire Mz, uno he ce voo apyro unero Removin union yenvolvom aryenepayyon vier ve t ieu u tiplo, unathe gravene ucting just writing repetition-Ha. and cy garrie y voa crysaja ushuzujanski zavobu uatu, ato he pouraizaje odajų mena dumu ucine. 3000 cmis u Harsbaru goa viena Revia umajy ucin momentaria untepyuje odsupom tha jegtty by gustamurrer ersbubanertaitum vienuma ub-

<u>Chusurro rraturo</u>.

Rpyino inero respe ce mospe ga su survivorndon subsidio que la sur sus sus la sur sobero opusurreum irrautinom y majyokem chicay peru, jep Hasubiamo e sport offer motional mushough tion yourselesse musice orepetitioner O120 jugite 120ce oce. Cireo je vila oca ciropo bépauseanta ortga nosubamo ao reversito appresintaginam iscarition. Uoutyto bepullicanta teche oca ga dyge jep ongra du trochratipanto treno tog ymunajen trespe une ouro na mu bh mon on boundary formason yenrollom opsillom one oce the Hear unano reaporemen renamita. Hu hemo ce ga sabieno como ca apoun cryy Heberry Mexanusu.

ge O u Herea añoju Hopmanito Hapab- uspason HUMY Y ROJOJ CE TENDUTINO REPERE VIEopenime renamina Herra Syge S. Ray ce



ne 0\$ osharum

ta uninskaja bapitameske na ubrantam no nu ta camom cedu, un he vito usba a ostrarumo nu parquiz ust epiquje havin ouzunauzuje oreo oce O. Os' Herea Penavirta obsupom Ha ocy O cà so tuo Office feight appropriation as making apolities of fedhouse abelianment OS besonte repution ca incompantion ine-

rajem. Йоспедый спугај Уйрэнићем гот за време прешини Ознакини enoitaminin as of; ortiga le leightarinha Herea garene oua renatura by- repetitama ganta apenia aperfaminen

2º Ats = Mº

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ca h. Thomepum 314012 - gorasu samo mun y Hauptuanu renautito 30 140M tronografy trega Hactioju gayjegan apousbo manou year of Ositarumo nu macy nous year year us in irratifa ca M in je

So=1/30

au je samo

Jo= M 62

carabino nu obe opegitocari y Topboy ocyunipaari 1200 1200g ou Suna oge amojubup air, unusrongus,

Mg2 d3q=-Mghsmq

mu

4 d 65 mm d = 0

Obo je jeg Harusta Betuana tomatipartit irrationa Jegitarunta repetitanti itoi irrationa lipajame ocizunalyija montement resolutions je

d29 + 9 mq =0

as some buguns ya maniemanicies

parto chisurro irrautito. apertecemo ru

to buguno que he tarma 0' y cloes u as anchamportum merom manso nelta où tiena u besaria ca tianzon O revityen wite gyskuste Maitematian isvorgito isolo mus shokmiti

sobemo cum x poitury mainemanicizum - resemendo sopramoras motimons agons comabolitàs isromitos fordinongo I apenia apehannen

 $\mathcal{F} = \mathcal{F} \sqrt{\frac{c}{a}} \left\{ 1 + \left(\frac{1}{2} \right)^2 \sin^2 \frac{a}{a} + \cdots \right\}$

rematerto resignama gyskusty & jerzhenentge d ostharaba amanutuyay renate Ha, the same impajance very unayya tocmatipartor chromeoù ieratiocyunupa ucas acaso sees u aoconcum ita Eumu apeigca aboverto jegharuton

 $J = \sqrt{\frac{g_{s}^{2}}{h \alpha}} \left\{ 1 + \left(\frac{1}{2}\right)^{2} \sin^{2} \frac{\alpha}{2} + \cdots \right\}$

Marry 0' 300 emo yestapom ocyanayuse a only on nevia more repose maj yenwap a wapanenta je wploj où suleno own outurarine

Ostronumo nu ca 3, momertain methorials accommendate is committee of a 1, weste affect the basit mill oathor point the jegaty one isope the ispos the humine & a mapanerita le saigation ou , to je tipema "Mutajnepolom apabury

30 = 3, + Mh

Ostronumo nu paguya mtepyaje teoju ograbapa ou repa aponaru repos \$ ca go , vio je

8 = 1 3

mm

Js= Mg2

ua saura apehanina jegnarinta goouja vouj obrierz + Mh² = Mg² + Mh²

uru

63 = 65 + 45

ansjudog amos en

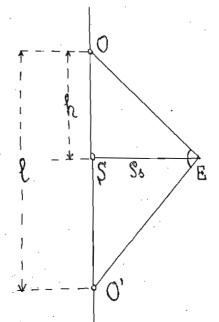
$$l = \frac{S_0^2}{h} = h + \frac{S_0^2}{h}$$

Opa fishamenta Bostife de le didecti-Hat behia og gygkunte h tig, gra tuar-Hama werkunda.

no ope too harme weathe dave S3=h(l-h)

Oba jeghannta Rasyje ga je paguje в средно тентентризски пропоризиottoma gypkuste h u

gypkuste l-h wj. gy-HUHE 05 u 50'. Ws mora chyjamba cnegyst 12017 carpyrensuha yertupa ocuzu-Mayuje 0'. Saganto Ham je Ou S, granzne u gyskusta h a mostrajemo, jep Hap le odnine renation



THE TOSTHOUT I PORJUYC WHEPYJYE So. TheTHECEND RU TROY PROGREGOUS WHEPYJYE So
THOP MORTH THE GYPKUNY US Y S, THE CTOJUND RU O CO E U HORSUHUMD YTOUS 1200G
E JEGHORE TIPADOM YTONY, THE WORRD ONENJEHO TRONNER O' SOUCHER YENTER OCHUROYUJE, OTYGO JE GYPKUNTO

τα πορα δερυφωποθατα jegharung ς² = h(l-h)

Thems to show to broken be forcusta to broken the operation to be given the come of the process to be greated as a the content of the conten

unu

 $g_s^2 = h(l-h)$

Topsoa jeignarienta je tipema tiome bepudpunzobanta.

Obecume nu ienativo y tional O' tia tiparkuna nu za tiaj crysaj yestitap ocuzunasnje tia buzuna us apehative ja he y obom

chyrajy buill ilanto O yentrap voyunaryuje. Y tiplom chyrajy reaga je tran
120 O yentrop ocyunalyije buna je gygenta cumaponot matematiczoi renati
140 L; y gpytom chyrajy buhe gyzenta
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jegharo buno ono obewento y trancu O
unu y transu O'. Ha tran ce obojutoy
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umare uning tepungy. Theremume 12 nati-140 14120 Byge & Paguyo unepyuje obsu-

bom 140 och 150ho abourour 15bos mestermitie a Hobinavita se ità baptana armse Herea Oyige Po ; OHQa hemo ogutiojame X, meskrimma & ano be o diskrima crimato. 1401 ISVORITHE OBBEDITAR NO LEGIHOSENTE

h=1- 85

are mectro h conscious x_1 , \bar{x}_2 , \bar{x}_3 , \bar{x}_4 , \bar{x}_5 , \bar{x}_5 TWK

x3-1x+33=0

Uco ware hem ogawijane Iz Hahu us una jegnorune ansi mento h utabumo xs, dovere

 $x_{1}^{2} - (x_{1} + y_{2}^{2} = 0)$

Us apple jegnerune godujamo $x_1 = \frac{\ell}{2} \pm \sqrt{\frac{\ell^2}{4} - S_s^2}$

$$x_1 = \frac{\ell}{2} \pm \sqrt{\frac{\ell^2}{4} - S_5^2}$$

a us apyie

$$x^{5} = \frac{5}{6} + \sqrt{\frac{1}{6}} - 6^{5}$$

Barra Ham go ogpegumo 120/e 314 orrevoe apeg respert band yours and buy apbon crysayy yavapedanu 344012 + a

ucias vianes u y gypytom, vis du x, u x2 Surv jeghanes a un je camo vinga anj. vaj ano ce tresperimente Hanasu y torubutu gyskute 00'. Pottompyrzyuja remantifia musike ce ybere maren y gecumu ga to the object crystaj u ottoja cy x, u x, The jeghance, the area for the behe of the in bana y upbom uspasy yseur show + a y gpytom - ti.j.

 $\mathcal{X}^{1} = \frac{\partial}{f} + \sqrt{\frac{11}{6s} - \delta_{s}^{2}}$

$$\mathcal{I}_{z} = \frac{\ell}{2} - \sqrt{\frac{\ell^2}{4} - \varsigma^2}$$

Cadepens nu vocneyve jugharunte va ansimons

 $x_1 + x_2 = \ell$

cores le dousure unitére roméhonnem mepenia a ganu renamity mare ab obruse ga vito ocijunyjyhu viev manze 0 u vcyuryjyhu zoutum on thorne O' uma uaty tépusous ousunaisuje, its je ogunijanoe mux goesy maranea jeghaneo

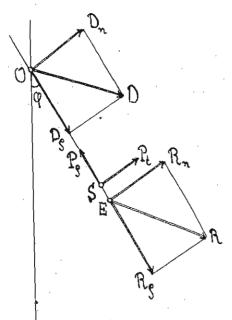
gyzkustu l cum schostoż sensutata. Usmepu mo nu tipema tipme gyzkusty T tiluk ocyunaujya u amtinutyzy d tip us yastasuste 1) możkemo ogperzutu aszyenepaujyy g tierke sta tipchatipastom metry. Jato ce obo sensutsto tipumerojje y Teogestyu.

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Oca ono noze ce vieno onepehe nenza byge nopmanna na pubnuny chunze. Osnos umo zy ca O. Vieskumine viena nenza vazza varzobe y pubnuny course Cure 120je gejarbyjy 14a tochatiparts vieno 1412a dygy current purito pacto-



pehente obsupom ita pablituty callise that 120 gra ce gorjy pergy. Robourn Ha jegity pesyntaming Ry publitutu cruse OHof the in pensezuja oce vij. una revjom gejanbijje oa Ha meno D neskarar arosobe y poblimin cru Tye je ice. Curia R Iterea

cere y mornu & apaby 03. Pacarabumo jy y goe renminitértue og regux jegita Re waga y wy wpaby a apyra Rn woou improved it and about a name in ijentumo i ca cunom D revjy pacitabnoume y remuionentre De u Dr. Oganojance trênculation & og trance O Herra byge OBHORUMU RU CA OF YEAR WITED TO TEPALOR

05 saubapa ca jegnom y pabnumu cruse opussayouron apalom, to je jugharuna experienca acmaniparior viena apena apetanisem

Tye Jo 03Haraba momeriai unepyryje wo many onto were obsupon the org O a Mo ciaciamente momentain causo Huse curve obsupom Ha try buy. They is snothers inotheman

n=0E

Upema Murajnepoloon apabung je J= J, + Mh2 = M (S2+h2)

Type Is USHORaba mumeriana unepyuje odsupom ita ocy izpos vieskumie Hopmanity ita pabituity chuse, a so paguyc unepyline obsupom Ha way ing vey Onyga

Tokosonu cho ga ce tieskumine s tiena sepehe uctio tienes sesso seus sur y weny suna crestitent tipucata rutiaba maca tiena a gejutobbane che cionite cune ; tipu time mopano cosa mely cionite cune paryttatiu u pearetyly oce tieskumine tiena s sepehe ce to sepyty paguyca h, ta k spehe ce to sepyty paguyca h, ta k

v=h dq dt

30000 cy experementite une 120/e na noe-

 $G_t = M \frac{dv}{dt} = Mh \frac{d^2q}{dt^2}$

u wina

$$G_g = M \frac{v^2}{h} = Mh \left(\frac{dq}{dt}\right)^2$$

Oba cuna gejatibyje y tipabyy tipema tiarku O. Upema D'alembert - obom tipabuny mopayy ce atomik cune operation ca iki atomiko yo ettim echek-tiubiho yo ettim echek-tiubihom cunama y pabihotiesku, tia

360î mota mopajy 36 upolou housolux 120 mito 144 ama y apous 6 vo Hum apab usuna 6 umu pabitu 14 ynu. Ysmumo 36 me apabaye apabay 08 u apabay 120-yu je 140 pmanat 140 no eny aa goou-jamo obe goe jegtarute

De + Re + Ge=0 Dn + Rn - G+=0

apu opopmynucionny vous jerzhionuta opphynu imo apabous esperzionobitus curio. Us vous u aperjouenux jegitarusto creggie

$$\mathcal{D}_{g} = -Mh \left(\frac{d\varphi}{dt}\right)^{2} - R_{g}$$
 2)

$$\mathcal{D}_n = Mh \frac{d^2q}{dt^2} - R_n \qquad . \qquad 3)$$

ONEU CY HAM CIDONHE CUNE 300 ONE, OH Opa jeghanusta 1) Ogpetyje bpeghocii 1200 yuestina dig pa ustnet payyyom u bpeghocii 1200 yuestina dig. Cinabumonu Obe bpeghocii y jeghonustama 2) u 3) iii 14am Ote ogpetyjy ūpunucan 140 og.

Yzmumo ya 14a tochonipanto tiens zejatelyze camo tiesta; onga cu-

nia My, weskusta wena detarolle i meskumant va je, zivampedulo experience or more Re= Mywsq R = - My mag

unto curia Rn uma ca-- DOTE FRODUTIONED DE bay it is if the faminer

anyrajy. Ocum ūvīa y voom anyrajy je

jup una Raponasu 12pos ja excumare. 3asundo judo vijudogo (1 situanotojej dasi

unu

$$\frac{d^2q}{dt^2} = -\frac{gh}{g^2 + h^2} \sin q \qquad 4)$$

Olor ce jeghornita gaje ustanet pucamu

Domitoskumo nu zy na da mo osta yoouja vouj vonur

 $\frac{1}{2} \frac{d}{dt} \left(\frac{dq}{dt} \right)^2 = -\frac{qh}{s^2 + h^2} \sin q \frac{dq}{dt}$

ogarene ustrietpazzión gobijano

$$\left(\frac{dq}{dt}\right)^2 = 2\frac{gh}{g^2 + h^2} \exp q + C$$

Herea Ham reas usturyinanass yendo 31 tare - trouve ougge dyge do3H auta ytrobita opzusta w. raga ce apaba O\$ Hanasi y xopusostanom annostraja as j.

$$3\alpha \quad Q = \frac{\pi}{2}$$

$$\frac{dq}{dt} = 0.$$

former segmently in goodijamo

ua je sauta ytinubita opsusta ogpehe-Ha Jegharmhom

$$\left(\frac{dq}{dt}\right)^2 = \omega_0^2 + \frac{29h}{5^2 + h^2} \cos q \qquad 5$$

Quabumo nu opergituana 4) u5) y jeg-

Harute 2) u3) us gobujamo obe uspase sa peatryuje oce

 $D_g = -Mh \{ w_0^2 + \frac{29h}{9^2 + h^2} cos q^2 - Mg cos q = 1$

=-Mhw3 - My wsq $\left[\frac{2h^2}{9s^2+h^2}+1\right]$ =

=-Mhw2-Mywy 93+3h2

 $\mathcal{D}_n = -Mh \frac{gh}{S^2 + h^2} sing + Mg sing =$

= $Mg \sin q \left[-\frac{h^2}{S^2 + h^2} + 1 \right] =$

= Myrmy B3+ h2

No voux jegh orusta bugumo ga 142 1296-1296 suntione ution \mathcal{D}_n 142 yaune utione 1296-1296 ution ution

<u>Otimur crysoj</u>

Turnation vieno respe Herra by gloema vannorma via usitaruma isomara-

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HO POWHUTY CHUNG U TIPORUSU PEPUS TURN PEU O. SUMUCRUMO GA JE UTA OCA TIPUR SPUME HA Y GOE TURNSE OG POJUSE JEGIHA HERRA SYGE TURNA O A GPY-TO JEGIHA TURNA U

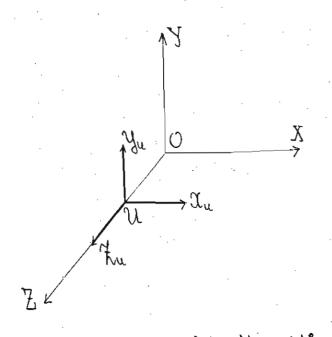
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HENTIE DEUNZYMIE 120/10 MOJE 12003 TUOMZY O a To Yok, a resonato Herture peraveryuje 180/10 mile 18003 money of Herera Ogray X, Y, Z, Ha asconditiposos tresa agailyzy apousboonte une Oite ce tomony worke 'O rear pegyrenguste warre gazing checian the pergramanting of as resmusifertitiones Rx Ry Rx is the curper MC ca Romão Hestrama Mx My Mz. apena D'alembert-voom apunyany mopajy ce de une unonte une y rese mopano uparytaniu caga u pearentile oce offofficial as 14th vituality ysettem expert will um cunoma y pabitowesku. Edesentable une apégatabousse jegian cuatien cuma revoju ce graje tromushy warke O was pegyszywik war 156 cogn 140 lealth bestraing 150ja uma Romūvituture Le Yete u Ita jegran cuper us remuoitentiuma Mª Me, Me We come your Herataubito Offorke ce as outranum curama y pablitatiejegharuna

 $\mathcal{L}_0 + \mathcal{L}_u + \mathcal{R}_x - \mathcal{L}_{e=0}$ $\mathcal{L}_0 + \mathcal{L}_u + \mathcal{R}_y - \mathcal{L}_{e=0}$ $\mathcal{L}_0 + \mathcal{L}_u + \mathcal{L}_y - \mathcal{L}_{e=0}$

 $x_0 + x_u + R_x - x_e = 0$ 3)

Carpa gonase tipi jegnarunte 180% noparkapatit da le sent mannen momentaina obsupom no oce X,Y,X pabast Itynu. Peaseyyja repus O ca reumasternama 20 yo to the graze anamure momenture obsupom the the oce for apohorsu 12003 le lipu oce. Peakyuja 12003 mariey "U He gaje caraturkut momen. wa obsupom Hà vy t jep uponasu epos ocy 7, anu gaze italiane MUMERATE OBSUPOM HA OUX I U OBSUpom Ha vey y. Carana urmi momentara obsupon the ory I jughenz je - Yuh jep 300 repetre, uno ce mega ca ausurante THE companie uce X, y converg creasian-Re Ha carry Consumer momentain OBJUPOM ITA OUJ Y JUGHAR je Kuh; as orregant as arrives y moduline ca



Teghannte

 $- y_u h + M_x - M_x = 0$ $\chi_u h + M_y - M_y^e = 0$ $M_x - M_z^e = 0$ 6)

etronite une y 11am 30 yante, bana camo uspasituru espersitubite une tomohy to sitatiua benurusta, ta hemo us obua meut jughtarusta mohu ogperjutur peurelyuje oce.

Ty over you began yours would the war your word on the party work with which we y topely a your work or to your or the party was the party of the pa

CORO UZHORUMO CO ω UZRUVOITY OPZUNTY TOCHORUMO MOMENTURO, O CO $g = \frac{d\omega}{dt}$

yenepayyy aochampantoi momentaa, obe esperantone cune: cuny $m\frac{dv}{dt} = m\frac{d(v)}{dt} = mvy$

y upably martertue, n cury $m \frac{2}{2} = m \frac{2}{2} = m 2 \omega^2$

y apabyy paguyc-berraopa. Echereaubite cure abandapate aane y apabyuma 1200p gustovatus oo apegcaabrete y uspasuma

m der m der m der

Ording come your control or aparty con appropriate of the control of the control

war = - ms h sind - ms ms and

$$m\frac{d^2r}{dt^2} = 0$$

$$m\frac{dt^2}{dt^2} = 0$$

of assass

un gobujamo de jeignorunte

$$m\frac{\partial f_5}{\partial sx} = -km\lambda - m_s mx$$

$$M \frac{dy_s}{dsx} = 0$$

Expersionable once barra cabpaint y cuater to y_e the M_x M_y M_z . Its maintentian to y_e the M_x M_y M_z . Its maintentian as the year about y_e that y_e appellation capable y_e $y_$

 $T_e = \sum_{m} \frac{dy_s}{dy_s} = -k \sum_{m} m - m_s \sum_{m} x$

Vairo vierso je

$$\mathcal{Y}_{e} = \sum_{m} \frac{d^{2}y}{dt^{2}} = \sum_{m} \frac{d^{2}x}{dt^{2}} = 0$$

y u w^2 motive cano usboaguma uperg 3140x2 Σ fep fe y yosertom momentary y1100140 opswha u yinvolta axyenepa upija 3a obe marke uoch ampartoi me1200pojuname me14cuma Usharumo 1200pojuname me14cuma uoch ampartoi mena ca f_0 η_0 f_0 1m uocmoje 1200 maa shamo jegharu14e

Mg.= Ema Mn.= Emy Mg.= Ema

Tope M vortaba mary avenautopanot viena. Data gobrijamo obej jegnanute

Boroa jour Hahr momenture espereurle.

1400 anna obsupom 140 1500pgunamine
oce. Other cy repersuances espereurle.

$$M_{x}^{e} = \sum m \left(\lambda \frac{d_{x}x}{dt_{x}} - \lambda \frac{d_{x}x}{dt_{x}} \right)$$

$$M_{x}^{e} = \sum m \left(\lambda \frac{d_{x}x}{dt_{x}} - \lambda \frac{d_{x}x}{dt_{x}} \right)$$

$$M_{x}^{e} = \sum m \left(\lambda \frac{d_{x}x}{dt_{x}} - \lambda \frac{d_{x}x}{dt_{x}} \right)$$

Ou abuno nu y coun jegnanustama go-Enjerte Opegnouin 3a

 $m\frac{d^2x}{dt^2}$, $m\frac{d^2y}{dt^2}$, $m\frac{d^2x}{dt^2}$

 $m_{x} = \Sigma x (\lambda m x - m_{x} m \lambda) = -\lambda \Sigma m x + m_{x} \Sigma m \lambda x$ $m_{x} = \Sigma x (\lambda m x - m_{x} m \lambda) = -\lambda \Sigma m \lambda x - m_{x} \Sigma m \lambda x$ $m_{x} = \Sigma x (\lambda m x - m_{x} m \lambda) = -\lambda \Sigma m \lambda x - m_{x} \Sigma m \lambda x$ $m_{x} = \Sigma x (\lambda m x - m_{x} m \lambda) = -\lambda \Sigma m \lambda x - m_{x} \Sigma m \lambda x$

= & Emxs-ms Emxy + & Emxs + ms Emxy:

= $\lambda \sum w(x_s + \lambda_s) = \lambda \sum w_{S_s} =$

= 1 72

Tyr J_z 0311012060 momentata unterguje toum autopantot teena obsupom 140 ocy t. Catabumo nu obe operanoutu y jughtaruntama 1) go 6) to gobujamo

$$R_{\infty} + \chi_0 + \chi_u + \chi M \eta_0 + \omega^2 M \xi_0 = 0 \qquad 1^{\times}$$

$$R_x + (x_0 + x_u) = 0$$

$$-M_{x}-y_{u}h+y\sum mxx-w^{2}\sum myx=0$$
 4x)

$$M_y - \chi_u h + y \sum myx + \omega^2 \sum m x v = 0$$
 5x

$$-M_{\chi} - \gamma J_{\chi} = 0$$

Us to chey we figher who (6) us pory to ce y u intuet panjujom the figher white to Ohyor ce us to be the first supported to the way are us to the character than the way are becure the top of the top

(- uain cryraj 1200 y Citaturu). Ite benur uste ay nusterapite cpystienzuje o-citarux benur usta Octaane benur uste y jegitarustama cy unu citatur urre cure, vio cy benur uste Rx Ry Rz Mx My Mz, unu gustamur ier benuruste, vio cy benur uste

rute y Rojuma gorase w up. Rag y w u j jegitaren ityrin oitga itte gustaminre benuruse un resabajy. En an urke une outen unisesabaji orga ano ma to con out pasts then the gey cut byjy itures. rube une. Dono muskemo pearenjuje oce isole goinni do comorminisme mus in beausifule 150% as wind as dintaminreux curra usparymentu courry sa cede. Upoe pearethy 180ge hemo 0314 armin ca X; Y; Xi, Yi, X; + Xi us parystabans ita way Haruh go y Tophoun jegharuhana soviemapumo coe roanobe ca & n a wa uspary Hamo peared uje; apyte wj. gustamunge pearetyuje jesse hemo ostrarumu ca Id, Id, yd, yd, Xd+ Rd wspary-Hahemo Ha way Harust oya y Toproum jegharunama zantemapuma ruantube Rx, Ry, Rz, Mx, My, Mx wa wopary Hame peoreinine aroutiure à dintamoir. re peareyuje cabepens godujano mo- wante peareusie.

Tipu voime ce mory gecutiu

ullu

Cheryanitu chyrajebu.

areo je oca 7 oro revje ce avcomandiparto vieno oripehe Trabita oca utepyrije 3a warzy 0, ortga stano ga y thom chyrafy wuresabajy uspasu Emar u Emyr aj.

 $\Sigma m x x = \Sigma m y x = 0$

Израгунајто сада динамигке реакusuje u j sastemapuno y apegroum jeg. Hazurama benusinte Rx Ry R2 Mx My M2. Ottga us jegharuta 37, 47) u 5x) crequie

Raiso moskemo rutuabe pearezquie oce L'apragation aurren O au Cindino ga je guitamuriea peareguja warre U jeghanea Hynu. and cem tata gejetaly. 1/3 Ita tracontatipanto treno transole cure

Roje warrobe the gazy thurarebot apumuc-120 y warren U m', areo ce pegyreyjy Ha jegity jeguty cury reoja uge repos mariey or a electrifyarito ita jegan capet Mr. Oltga moskeno upurbpuhene oce y warren U circloum Haayaanin sep war 150 M HEMO OHJA JA USBIPSKU HURAREAL apuranciare, un he Sumu gobornito que je apuropaiumo y marru O. Ovro cem mota ucresaba i momenant una una m j. and ce coonin cure pegyneyjy 140 jegity jeguty cury 120ja aponosu 12pos aorizy 0, ostga cregyje ws jegitaruste 6x)

a the share grafe with.

TO CE GULTAMUNE PEARBUJE TIANSE () USPARYHABAJY OHJA US JEGHARUHA 1") u 2") Tij. US JEGHARUHA

Id = - well &.

yd = - w2 Mno

Boño moskemo ga raskemo: gejcülyjy nu 14a tocmoriparto tiero tiareobe cure rope gajy fegity jeguty pesyntiating rope tiporasu repos tiarrey 0, tia ciabumo nu tiocmatiparto tiero y potiaty jego trabitux oca ustepizuje sa tiarrey 0, tio he tiero potiapatin sa tiarrey 0, tio he tiero potiapatin ses tipectiartera oro tie oce rost ciamini som ytrubitom opsustvik se mensajyhu cloj tioroskaj. Tily ocy stasubano tiepmatiesta tiporasi.

Cores casoste cure cacoum universabajy ottga he viarka O umavia aputamuren tiputincare irojeta cy reminerentie Id u yo tipegatiaboette fugharunama 7) u 8). U viaj he tiputucare univertytu aren ares tryturu ares transabanto viena, ep le ottga

no=0

8) Bartio musicemo gra 12 asperno: He gejetily-

jy nu tha tocknowipant were thereased be conthe cure, as condume nutry of powership on the control of powership on the course of the west were powers enut course of the we were powers of the control of

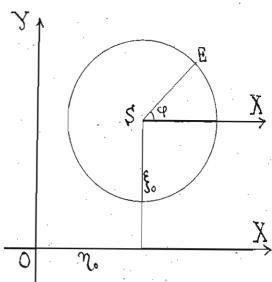
Palona repetuanoa repy

word werd

Tochamparto vieno Herra Suge cumevapursto Obsupom Har Jegity pabltury 120 y ogasupomo sa pabitulty Il Hameta 1200 pogustavito cuarema. Ortga u vierkumine & viora viena zuje 1200 pogustavie V.

or revopquentite or the mempurse or cut and continuous or (\xi_0,\gamma_0)

respect the continuous or continuous posts nesse of cut and respect or cut and respect or



pom the way posituity wares go ce u y aploon u y gpyrom cnyrajy grazy de une the jeighty personationally is pabited Hu Ty was that Jegan capet y way uctivi pabitutu, oitga he uturjujanast "apecere ascomatipastor viena" un pabilition I'V outain des apentioniiza y tuoj pabilisti, ta ispetianse 30bens pabitum repenionem, jep Ham y sa ogpersoy wonoznaja womawpa-HOT THERE GHOONHO GOT TO 3HOJEMO TO nostraj metitori apecersa y pabitutu IY. Way apecers Ham be ogpehen and познајеми поможај шежишта з ш. коорушнате зо и по и оризентация apeceira y pabhuitu miji yian q with the jegita as thesplummen besental apala se apecera sambapa ca ocom a y obom crysapy cy garêne for no u q resopquerane mena lipeda que ogpeguno impu jegnarune repetianoa us resjux ce une resoppantaine moity ogpeguine mas opystiètéjuje opementa.

Tipema Noyatholoom 30120Hy 12pehe ce tieskumine taarro 1200 1200 50 y noemy Sura Crothyertapucarta zuatala maca M u 1200y Su 140 roy gejctiloobane che che catorotte cure. Ostharumo ru ca Rx u Ry 120matottertae perynatiantiae catorottux curia ato garere ao-timoje jegitariste

$$\mathcal{M} \frac{d^2 \xi_0}{dt^2} = \mathcal{R}_{\infty}$$
 1)

$$\mathcal{M} \frac{d^2 \eta_0}{dt^2} = R_y$$
 2)

180/L GedHarmer currain hermone medrama maring services and service of the policy means serviced the many of the perior of the perior of the policy of the perior of the publication of the policy of the perior of the period of the perior of the period o

dyge ostares a Ms; ostga he were poanbarin ous acstranaria 1500 1500 on manoapehouse sur u 140 meta gejanbolow aper Ms. Caper nestru y pob-HUHU WY U ZOUTO JE WETOBO OUR HOPmanita Ita iny pabitinty, a zaneo ce mero orepetre marso ore chous meof minima da very minimarità abe- Herra ce remaphon c'es octionse yberz y pabitione dy, un le voetopo esterninas visio anoquimod no biori ansi ansi apprin led the ace 150% abount 15603 & a itopmanita je ita pabituty My. Baras the impehia jughtore who repetitions ou of who My Herea au usparkerta ca

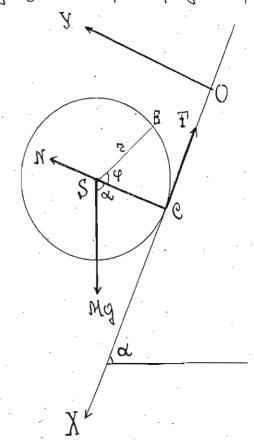
3 2 1 2 = Ms

Tope Is ostiaraba momentara untepusuje runte choje repeobsupom Ha try ocy. Us obux trpujy I trance y transii O jegházuta možemó uspazytamu €0, des uturyajanite To u q 1200 chyrtelylije og t, tia apenia vame o'oppegivare trons you vières y chareon momertay.

Upunep:

Zedita isbåkita avora isolia ite mopa duan asmoterta 140 ruju je ma inepujar cumerapunto ono wertor yestupia paçaspeheit wares ga werto wexumine & adga y yerhanp repyta,

a gra He renusiu to municipal food Hazuda a Herra Ha Repyr gejcurbyje cano vetoba üece uctivation 12pemame lepyta Rpyl Hereia 3000opswise. y wom asmorkajy Herra ce



marien E repyta gogupyje ca carpmon

pabitutom. Rasso ce ispyr isompria a ite Rouse, the fe ryse CE jeghan topale CO. OBHORUMO CO CO X , a priguye 12py-Ta ca ?, ao aocatoju jegharuha. x = yS

Chro Ham le granène abottante &, ottoja TOSHOJEMO U POOPQUHATE TEXHULITA S jep je

ua uo sitajemo u opujeniuanjujy 12py- Ostarumo Itopmanitu ouaop cuipme pab-Ta sep Ham le avilian grav q. trono- Hurte ca N a cury taperra ca 5, to je Haj izpyta ogpeben je ganene ūvūny-THE CON JEGITHOM ISOUP GUHOUTUM. Obanzab culaiem ruju je tronoskaj ogpehen ca mo as jugitom isoopgustation sobemo besama. cultinem la

Us Tophux jugharunta chegyji Us jegharunte 2x) chegyje

$$Q = \frac{3x}{72}$$

$$\frac{d^2Q}{dt^2} = \frac{1}{72} \frac{d^2x}{dt^2}$$

$$\frac{d^2\xi_0}{dt^2} = \frac{d^2x}{dt^2}$$

ma 3 antie jeghaninte repetitanca 17, 2), 3) godujajy obaj odrune

$$M \frac{d^2 x}{d + 2} = R_x$$

$$O = \mathcal{R}_{y}$$
 2^{x}

$$J_s \frac{1}{2} \frac{d^2 x}{o U^2} = M_s$$

- 3 auto Jep momentati ymanoge ytao q.

N= My cosa Mune je Hopmanitu outop vypehen. Us jugitarnite 1x) cregyje

a ws jegharme 3°)

$$\int_{S} \frac{1}{z} \frac{d^2x}{dt^2} = + \Im z$$

ERUMUHUMUMO US TOCREGYOUX GLEGY jegharunta Iteaushaary benurunty F, in hemo godinar jugharunty repetiama voja ogpebyje x nao cpyhrenjujy og t. Cinabumo nu opergnación sa F us jegitarute 1xx) y jegitarustu 3xx) vuo go Sujano

3, 1 dix = -M2 dix + Mg 2 md

si correst

J. = M 83

Type 90 ozhanaba paguyc ustepujuje 06-zupom 14a vy rpoz \$, wo godujamo

unu

$$\frac{df_5}{d_5\alpha} = \frac{\partial_5^2 + \omega_5}{\partial \omega_5}$$
 sind

met pucami. Upla ustiet paisinja gaje

$$\frac{dt}{dx} = 0 \frac{\delta_3^2 + \delta_3}{\delta_5} (\text{sing}) + C$$

of corner of

$$3a t = 0$$

$$V = \frac{dx}{dt} = 0$$

ino je

na nostrbita ustaezparzuja gaje

$$x = \frac{5}{6} \frac{8s + 4s}{6s} (sing) f_5$$

Il oboje nuivesaba ustriet partuosta 1204. morring to the

Upu repetitioney modurite titorice Ha carpmy pablitutu umanu one oby and ebertagionery leasurement

Oba ce jughtarusta gaje guperevinto ust vij vita je ulagana viano kao kag bu

grind umano areyerepayyy

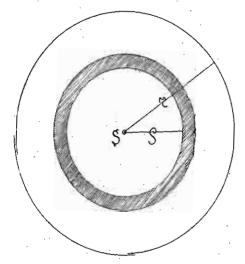
-atom a, Horamax iggsi of asid

Momertant utepyruje
obsupom Ha ocy repos

$$\int_{S} = \int_{S} 2 \pi S \, dS + S_{S} \, dS =$$

$$= 2 \pi \int_{S} \lambda \int_{S} S_{S} \, dS =$$

$$= 2 \pi \int_{S} \lambda \int_{S} S_{S} \, dS =$$



Maca repytia fegrarea je

wase garene

$$\partial_3 = \frac{M}{\partial^3} = \frac{5}{55}$$

tra je satus jegitarusta izpetitama y obom

cryzajy

$$\frac{d^2x}{dt^2} = \frac{2}{3}$$
 grima

Repyr ce garene reoription goe imperiore apprimente infina ciriptije iteto mino on ce reoriptional modurita inarrea ii.j. 2/3 cura inpumentyje ce ita cirjuniamone a 1/3 tha odpinance oreo inextrugina.

Meopena rube cure.

Josum jegity apousbority aarrey achampator and ema. Oitga ita my ogiaabyjy untaepite and iesse gasy pesyraartay aa iesmaama Xi Yi Xi Cem aara gejaabyjy ita ay aarrey (ebeitayarita) u ereaaepite ane iesse ogi gy pesyraartay aa iesmaaltetumama Xe Ye Xe. Oshazuma nu maay yozerte aarree aa m, aa y jegitarunte iespeaa-ha ae aarree

 $m\frac{d^2x}{dt^2} = x_e + x_i$

m dry = ye+yi

m dez = Ze+ Zi

BoHarbinninn nobar

 $(I_e + I_i) dx + (I_e + I_i) dy + (I_e + I_i) dx =$ $= m \left(dx \frac{d^2x}{dt^2} + dy \frac{d^2y}{dt^2} + dx \frac{d^2x}{dt^2} \right)$

Oby jegharmen morkens gaun a apaj

 $(3edx + Yedy + Redx) + (3edx + Yedy + Redx = \frac{m}{2}d \left[\frac{dx}{dt} \right]^2 + \frac{dy}{dt}^2 + \frac{dx}{dt}^2 \right]$

apou roan rebe cuipant osharaba erementiapity payony unio cy zy obabure en cuiepit cure apu aomepany aocuiaipant warne; osharumo wy enementiapity payony ca

Lepytu renat rebe utiparte ositaraba enemertuapity pagroy untueprux una; ositarumo py ca

wagel

 $\left(\frac{dx}{dt}\right)^2 + \left(\frac{dy}{dt}\right)^2 + \left(\frac{dx}{dt}\right)^2 = v^2$

ostraraba 126 agports opsute accordin

parte manse. 3ans gobijano jegitusuty dhe+dhi=d $\frac{mv^2}{2}$

mpos

Mr.

300ems yeusom curon ascharapark

Bamuchumo caga ga cmo obassbe jegitoscute itatucanu sa che unasse cucuema ua cappanu; uno godujamo

Id mv2 = Idte + Edti

Tocheghou snast obe jegstas with tipegcondona Ham soup enementauphus pagna whitephus cura tochatipathis cultiena appor hemo ucautautu shasene u bpegitocat tochaticulus suno goe tipousbootte tiane tochati-

 $(x^2A^2x^2)$

 (x^{n}, x^{n})

partot cucinema yl u ylz. yonarpe 150obdantante 14450 obdantante 14450 obdantante 14450

(x,y,x,). Houxalos oguitojame & jeightanes le apema mome

 $Z_{5} = (x^{5} - x^{1})_{5} + (\lambda^{5} - \lambda^{1})_{5} + (x^{5} - x^{1})_{5}$

Ha warrey Mi gejaweyje warrea Mi cunom I, a Ha warrey Mi gejaweyje warrea Mi cunom I'. Apema apuntyway areyuje u peareyyije untwensumemu wux ai na y jegitareu u one aayayy y uawy apaby. Pamaontentwe cune Pjegharee cy

$$\mathcal{J}_z^z \partial_z \frac{S}{x^s - x^v}$$

a 180 MID HENTILE CUME I' CY JEGHONE OBUM 1800 MID HENTILAMA COMU TIPOTU UDITOT BIHA-1800, GANENE

$$\mathcal{G}_{i}^{x} = -\mathcal{J}_{i} \frac{S}{x^{s} - x^{s}}$$

$$\mathcal{P}_{x}' = -\mathcal{P} \frac{x_2 - x_1}{2}$$

Samuchumo caga ga ce viante Mi aomepuna sa jegity becispajito manety gygunty izoja uma izomaateitie da, dy,
dh, a ga ce fe viantea M_2 viamepuna
sa gypkunty izoja uma izomioteitie da,
dy, dh, Oitga he pagna une Pouviu
jegitanza P_x dh, P_y dy, P_z dh,

a pagna une 9' Suhe jeghanea

P'x daz + P'y dyz + P'x drz

OSE pagne gobuhemo ano oba goa usposo cosepemo, aa utabumo nu jou usposo cosepemo, aa utabumo nu jou y aaj usposo apehanne epegnoutu sa gaguan erementaga gagua pagny uuta ay y ose taanse apu aamepany usopuune. Ona je

 $da_i = \frac{9}{2} \{ (x_2 - x_1)(dx_1 - dx_2) + (y_2 - y_1)(dy_2 - dy_1) + (x_2 - x_1)(dx_2 - dx_1) \}$

гиференцирајто једначину г) та до-

Sujano, ano ognax trosportumo ca 2, z obz = $(x_2-x_1)(dx_2-dx_1) + (y_2-y_1)(dy_2-dy_1) + (x_2-x_1)(dx_2-dx_1)$

Them to amo ga queta musuja o-Sejy tanana M_1 i M_2 : Z octante thethomewerth; the se chysici nong repytaux tiens a transible se chysici nong matepujantua nurtuja; souto je OUZ=0

 $(x_2-x_1)(dx_1-dx_2)=0$

3 auro je

dai=0

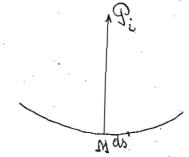
Horannemo un oporable jedharnite za coe mostybe samontanis od dre n ope morre amo mombares cuamema a capeberno, ao dropares como de se sono enementa abita padra como metalabitua padra como antiephina ana papar tryan a.j.

30000 jegharusta 1) gobuja obruse Id mv = Idite

Mu con go caga apentasandont nu ga ce ao consatiparte cucitiem cautagu us enemertation isosu mory buttu unu ispy wa weno unu aaconyaito tuaise mainepujante nuttuje teoje ce the gargy ucine Hyrau. Ito accompanyantu cucatem mosse respectation the occidingumental ties; two jegunts neture mary but apucunerte ga ce repetry une to sagarum nutu. jama unu ao saganum adopuunamaj Ortga pearethije rege ce ita warevoum ocrondring hisosphia moskemo barantaun y examepite cure, it mostemo ua upu upumeitu Topne jeghanust pary-Hatel in y whitepite come, jet to rouse. ba erementarapita payroa apu coa-120m avmeparby pabità Ityru. Tho cneggie us obora: yomumo gra je jegnta monson cuatiena apucunetta ga ce repetre to jugacy sargasty musuju des

Tipersoa. Ostoga je cura Pi sevjom gejatibyje ma nustuja ita aoconatipasty marky 1200 milio como beh tro.

Rasanu Hopmanita Ha try numujy. thanka M moske ce aomahu camo y troj nustuju nebo u gerito, aa je jugito u apojto meno



TO MEDIANE HOPMANHO HA CUNU, a Tuo 31tarii ga je erementurapha pagna we use y ocnorty public Hypu Naw the basker in sa tatured 150% of works йомерайи у једној баданој йоврши-Hu ; ii OHgra je outrop une volpmente HOPManari Hà Charen armeparie. Baisso Il a bordison conx max mux mus à ocuon Burna pabita Hynn. Obo che bastin, 1200 miles como beh 12000anu, camo 014. ga areo ce y ocroHyuma He yreasyjy une upenoi. Ustra et payujon jegharute 12)

golujano

3)

wopos

Σ mv²

зовень <u>темнешихот енергијом</u> тостайролно систета, та зать тожет да темнето: Промена геннетилге енергије тостатрано систета хозналга зе збиру разна што их за во вреже те промене обавлају ве екстерне шле. Ова теорета зове се <u>теорета</u>

Hube ane.

Rönig-ola Ticopena.

Wopon

5 mv2

ROJU CHO HOSODAU RUHETUNSOM EMEPTUJOM TOCH OTEPOSHOT CUCTERNA ODHOCU
CE HA OTEORYTIHO REPETIONE TOCHOTE

POMOT TERNA JEP CHO TEPETIONE TOCHOTE

POMOT TERNA JEP CHO TEPETIONEM HA ROJU
CY CE HOURE JEGIHOSUME OGHOCUME HETOMUSCHI IIIOJ HATOMUSHU CUCTEM OSHONUNSCHI IIOJ HATOMUSHU CUCTEM OSHONUNCO TYT. IILEGRUMTE TOCHOTEPOMOT

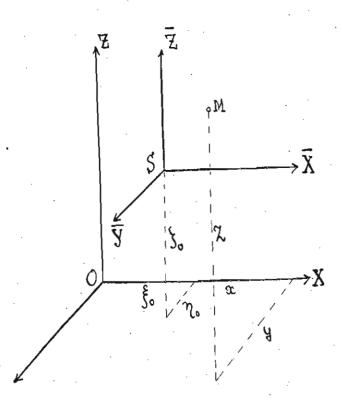
CUCTEMA HERA SYZE Σ . NETOSE ROOPOJUHATE OSSUPOM HA TEPOU ROOPOJUMOTHU
CUCTEM HERA SYZY Σ . Σ . OHJA TOCTO

je Jeghorume

Myo= 2my

ME=Ema

Type cy (x,y,x) 1200 pyrotate topous cometions beskums cays as armenome mom personal man proposition and the composition of the



when IYZ 120ju ce 12pehe ca cuctie-COND MUM ga vetuba wretita warren nemu yoer y wesk wing S cultilema a ya cy oce vivia cu cinema yber aupanenite:

ociama that muritor cucinema. Ost orumo nu revopogunante in arre M obsupom tha inaj moburitu cucinem ca $(\bar{x},\bar{y},\bar{x})$, in

Toutwije jegharuste

Luchepettyupigno obe jegitaruste to openeity; the goodijano

$$V_{x} = \frac{dx}{dt} = \frac{d\xi_{0}}{dt} + \frac{d\bar{x}}{dt} = V_{x} + \bar{V}_{x}$$

$$V_{y} = \frac{dy}{dt} = \frac{d\eta_{0}}{dt} + \frac{d\bar{y}}{dt} = V_{y} + \bar{v}_{y}$$

$$V_{x} = \frac{dx}{dt} = \frac{dS_{0}}{dt} + \frac{d\bar{x}}{dt} = V_{z} + \bar{v}_{z}$$

$$2^{x}$$

Tge governe

V_x V_y V_z
03 HOZOLOGIY ROMŪ OHENTŪE δρουλΗ V Ū eομινισια οδουροιμ Ha Heūomuntu Roopguntouritu cucirem, a

T II. II.

103 Horsabajy 120 mato Hertaie Spoure V 120jon ce varisea of repetie y moduriton cultiments. $\sum m v_{\alpha} = \sum m v_{\alpha} + \sum m \overline{v}_{\alpha}$

Ranzo V_{∞} morremo usbaguita tipez shanz 30 upa, va 03Hazumo m

Zm=M inj mary rumabor cucarema, ino gobu-HUSVOHEDE BODO amoj

 $\Sigma m v_{\alpha} = M V_{\alpha} + \Sigma m \overline{v}_{\alpha}$

Zmvy=MVy+Zmvy

Emvz = MVz + Emvz

sucpepeny upaj mo jughaz use 1) to Openesty; we godizione

 $M\frac{ds_0}{dt} = \sum_{m} \frac{d\alpha}{dt}$

или объщьюм та аревашье озналге $MV_{\alpha} = \sum m v_{\alpha}$

 $MV_y = \sum m v_y$

 $MV_z = \sum mv_z$

Etiabumo nu obe operghouter y jerzhani-THE 3) two you fund

 $\sum m \tilde{V}_{\alpha} = \sum m \tilde{V}_{y} = \sum m \tilde{V}_{z} = 0$

вада тожет пришулийи праж popmonjujú uspasa sa temtéransey e-Hepityy cucinema

S min

Maj uspas morkeno Hatucatu y odnury $\sum \frac{mv^2}{2} = \sum \frac{m}{2} \left(v_x^2 + v_y^2 + v_z^2 \right)$

Catabumo nu y gerry carpany voe jeg-Horewite Opergitocita us jergitoreunta 2x), anojudose aim

 $\sum \frac{m v^2}{2} = \sum \frac{m}{2} \left\{ V_x^2 + \bar{v}_x^2 + 2 V_x \bar{v}_x + V_y^2 + \bar{v}_y^2 + \right.$ $+2V_{x}\bar{v}_{x}+V_{z}^{2}+\bar{v}_{z}^{2}+2V_{z}\bar{v}_{z}$

4) une area use mantule y jeightamenta con

 $\sum \frac{mv^{2}}{2} = \left(V_{x}^{2} + V_{y}^{2} + V_{z}^{2}\right) \sum \frac{m}{2} + \sum \frac{m}{2} \left(\bar{v}_{x}^{2} + \bar{v}_{y}^{2} + \bar{v}_{z}^{2}\right) + \sum \frac{m}{2} \left(\bar{v}_{x}^{2} + \bar{v}_{y}^{2} + \bar{v}_{z}^{2}\right) + V_{x} \sum m\bar{v}_{x} + V_{y} \sum m\bar{v}_{y} + V_{z} \sum m\bar{v}_{z}$

Tochegio a tipu enama y oboj jeghorutu Jegharu cy hynu obsupom tha jegtharuhy 5). Satio gobujamo jeghoruty

 $\sum \frac{mv^2}{2} = \frac{MV^2}{2} + \sum \frac{M\bar{v}^2}{2}$ 6)

Oba jeghorusta uspaskaba <u>Rönig</u>oby tiespeny soja macu. Rustawsa
estepiuja rutusbora cuctiena jeghasea
je skuboj cunu mino bu jy umano tieskumite saaga bu y veny buna csonyentipucasta rutioba maca M cuciema ybehastoj sa szustetiuszy estepiujy
peratiubstoa sepetaasaa cuctiena
obsupom sta soopgustatistu cuciem ŽŽŽ

Roju ce Repetre ca vieskuniviem a octavje vapanenast come ustubujanstom avnostajų.

nookajy.
Yomumo ga cy y usturjanstom aonoskajy Sune Spouse
Vo Vo

Ortga je apomerta rentemente entep-Tuje og un unjujannot go apous bon-Hor annophaja jegnarea

 $\sum \frac{mv^{2}}{2} - \sum \frac{mv^{2}}{2} = \frac{M}{2} \left(V^{2} V^{2} \right) + \sum \frac{m\vec{v}^{2}}{2} - \sum \frac{m\vec{v}^{2}}{2}$

leba cuiparta upeganabroa mam pagroy muio cy jy sa uo opeme obabure curonite cure. Sano uy jegharuny morremo uucanu gare obarro

$$\mathcal{J}_{e} = \frac{\mathcal{M}}{2} \left(V^{2} - V_{o}^{2} \right) + \sum \frac{m \overline{v}^{2}}{2} - \sum \frac{m v_{o}^{2}}{2}$$

Aochaipajno crysaj pubitur esperiama Ottga je

 $V_{s} = \left(\frac{d\xi}{dt}\right)_{s} + \left(\frac{d\eta}{dt}\right)_{s}$

Penamubita opsuita v voca ampantor viena vien vien vienkumina jeghanea je

Tge je 2 oganyance yoreste vianze y od preskmings a of yembita opsurta regia JE y yosenom momesting jeg-1401202 3a Cloe wows wow possos cuare-

ma. Saño moskemo ûn strubity opsuty usbaguire apeg snare cyme va gobujamo $\sum \frac{mv^2}{2} = \sum \frac{m}{2} v^2 \left(\frac{dq}{dt}\right)^2 = \frac{1}{2} \left(\frac{dq}{dt}\right)^2 \sum mv^2$

Worrey vou soup apeyamasona Ham помений инеруще постаприны теmeximume a inspiranta je ita publimity of airol sonoisings

J= Zmr2 = Mg2

Tye 90 0314 araba paguyc utepyjuje oб-3 Upon 14a uary ocy. 3 ou work morkens Jegharuty o) y chyzajy pabitot izpetia

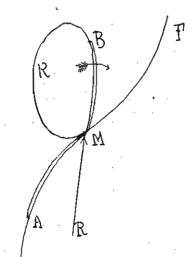
Mod truccutar y obom obnusy $\sum \frac{mv^2}{2} = \frac{MV^2}{2} + \frac{1}{2} \left(\frac{d\varphi}{dt}\right)^2 J_s$

unu

$$\sum \frac{mv^2}{2} = \frac{M}{2} \left\{ V^2 + S_2^2 \left(\frac{olq}{dt} \right)^2 \right\}$$
 (x)

Morasanu emo ga je pagna cuna peakerjuje y ocnoHyuma koju cy HENOMWEHU U Y OHUMA TOJE JE TICENTRA постояриног тепа присилена да се repetre in jegnoj saganoj nuniju unu to jugity zaganty toppuntu pab. Ita Hynu. Caga hemo gà goreasteemo ga je pagwa pearzywa u vitga pabita Hyru aro je vieno trpucunerto que ce ua ogsation 140 och 150ga atonasa 150a 150a bor 150a aga-14y aubpuille. Aochantipanto tieno 12 HURA CE 120 TEPRO DES 12 MISORNA TO TO-

Exercisons es de reverage des renusarias



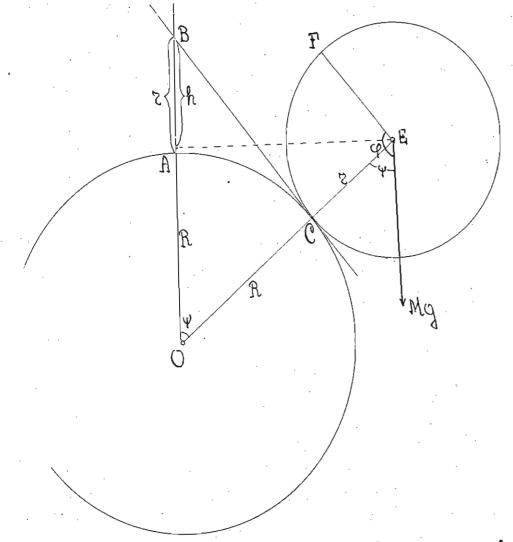
HORNI SUCHO HO ODOJ
HORNIH OCITOURDUMU:

BUNDAN HUROLUMU JEGOM
COUJU OHITHURI GUOHUSI
COUJU OLITHURIU GUOHUSI
COUJU OLITHURIU GUOHUSI
THU F Y TUNGU TOLIHUGO
THUSO OGOSTO TOL

outrop revisay. Thuriajno reasers he duun payna me une R. y mo une barra gra ysmemo camo y obsulp grace there I yosertom momentary orepetue oreo ware-Re M wij gra je warnera M Harmunta unu gra je, now unio hemo reachuje goszasátti, momesta astu yentap pomayuje berto aomeparte je apema aome pabito Hynu, ua je sovi tuota u pagnoa une R' pubita Hynu. Y cregenen momentary gohu he gpyra jegita marrea mena go gogupa ca aobpina. HOM U Y NOY he ce abreasonal jegnta gpytos pearetyuja, anu y coaren cryrajy tha peakylija He tromepa Hauagity wanty.

<u>Apunep</u>:

Lonoretta vienira ryina mace M, pagnyca &, Iterra ce revirposa Ses renusama us region pagnyca R. Cem vience Iterra Ita may Ite gejonogiy Iturearrobe curonte cune. Iterra ce Hahe



na ca warren A. Ozharuma nu viaa minaje, saa maro ape absersanu, ta paguya EF zautoapa ca beputuranom pabita itynu. Batio umamo ga yomemo

repetitance regine. Yorumo nyr Al jegnary ca q, virga tio catagu sovi tipe grambet Jeghorma

 $(\psi - \varphi) S = \psi \mathcal{F}$

Ca yenom of us vojeta energyje us Topue jughazinte ytas y usparken je avatyto übnoskaj Rytne. Übeniatupastu cucatem saburi garêne camo og jegitor aupa-Metipa aa aa moskemo Hasbariu cuciemom ca tiotitymum besama. Zegita jegusta jegnaruita ogpegune apema ao me neivo repetione, the south morkeun horibegnien odwar sedharneth 150. ja uspaskaba vienpeny skube une. The jegitazenta je bina

2: mv2 = MV2 + 1 M 92 (dq)2 = 1/p

туе тр означава радну стопних сипа. Og wontur war gejuibyje ita rying como roesta vieskusta Mg u peareguja nyry CF, vitga ce je vianrea f gogupula-gove regine, ito pagno vie peareyuje

camo y obsup payroy werkwite. Otto gejaubyje y yerupy E a nauepena je y bepuiuseanu gone, ina je wenta paigma og unujujanitor tonoskaja tra go to- la je satio champantis jeghanea

Jo=Mah

Tye h ostrazaba zyskuty sa redy ce je merumine regine chijamuno gone Rarroje h=(R+2)-(R+2) cus y

si où

Ap= Mg (R+2)(1-cos 4)

Meximulie E regine repetre le y repyty paguyca (R+2), ma je samo voetvou Sp. 3WHQ

 $V = (R+8) \frac{dy}{dt}$

Condumo nu obe bpegitocom y jegitasurfi s), as asisparium nu ormax ca M, the goodyams

 $(R+z)^2 \left(\frac{d\psi}{dt}\right)^2 + S_2^2 \left(\frac{d\varphi}{dt}\right)^2 = 2Q(R+z)(1-\omega_2\psi)$

Us jeghorente 1) energyje R+2 4=4

 $\frac{d\varphi}{dt} = \frac{R+z}{z} \frac{d\varphi}{dt}$

Emabumo nu oby opegitour y jegtaru 144 3) wa gobujamo

 $(R+z)^2 \left(\frac{d\varphi}{dt}\right)^2 \left(1 + \frac{g_5^2}{2^2}\right) = 2g(R+z)(1-\omega y)$

unu

$$\left(1+\frac{S_3^2}{2^2}\right)\left(\frac{d\psi}{dt}\right)^2 = \frac{29}{R+2}\left(1-\omega\psi\right)$$

Oba ce jeightatienta moske carga des avateur-180 ha WHITET PUCCOUTU DA gibpijum pa гун треба кот да порагунамь бред-Hoar bordinger metholine & openion Ha ocy respice y transet & course Hopman 140 Ha publicity cruse. Ostiarumo ru momertain unephrise obsupom ita my oux un Iz, mo ux sour avantyse cument puje szyrne momentur unepytuje odsupon the opyte goe optivionante oce mely cosom jeghanen \bar{u}_i : $J_x = J_y = J_z$

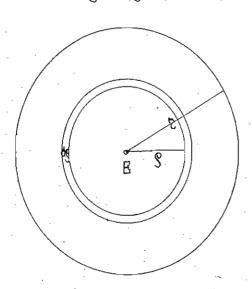
Torrasanu uno gra je varnapru momeravio 3 yernavio ati maquedo

$$J_0 = \frac{1}{2} (J_x + J_y + J_z) = \frac{3}{2} J_z$$

The je 30 the

7=270

a aoraphi momenañ 1º moskemo lopno raseo uspazynañ Bamucrumo ga com sytry pasgeruru y come becepaj-



sequente isolthery about the many bordings & or in any fed that about custon some isoland of the content of the

Tye v oznanala

Tycialisty regine. Sauto gobujano momethati unepyluje taota choja axo Topnou uspas jou tomitoskumo ca go ta he momenati unepyluje suitabe regine J. Suitu jegnase

 $3 = 4117 \int_{0}^{2} g^{4} dg = \frac{4}{5} 1172^{5}$

Maca rumabe regine jeghanea je $M = \frac{4}{3} \sqrt{1} V^3$

via je zarivo

$$J_{z} = \frac{2}{3} \frac{4}{5} \bar{1} [Y 2^{5}]$$

I.

$$S_{2}^{s} = \frac{\Im x}{M} = \frac{2}{5} Z^{2}$$

3amo je

$$1 + \frac{9^2}{7^2} = 1 + \frac{2}{5} = \frac{4}{7}$$

ūa jegharusta repetianoa gobuja oboj

$$\left(\frac{\mathrm{d}\psi}{\mathrm{d}t}\right)^2 = \frac{10}{7} \frac{8}{R+8} \left(1 - \cos 4\right)$$

Us obe jegnosmute energyse gos je $dt = \sqrt{\frac{10}{7}} \sqrt{\frac{R+\epsilon}{9}} \frac{d\psi}{\sqrt{1-us\psi}}$

our je

$$t = \sqrt{\frac{2.7}{10}} \sqrt{\frac{R+z}{g}} \int_{\psi_0}^{\psi} \frac{d\psi}{\sqrt{\frac{1-\alpha\omega\psi}{2}}}$$

sj censos je

$$\sqrt{\frac{1-\cos\psi}{2}} = \sin\frac{\psi}{2} = 2\sin\frac{\psi}{4}\cos\frac{\psi}{4}$$

itio je

$$\frac{1}{2} = 2 \sqrt{\frac{7}{5}} \sqrt{\frac{R+2}{9}} \int_{\psi_0}^{\psi} \frac{d\frac{\psi}{4}}{\sin \frac{\psi}{4}} \frac{d\frac{\psi}{4}}{\sin \frac{\psi}{4}}$$

Togerumo nu umenution u opojutiono tog uniterparom ca cose 4, the goodiname tope sec 4 a gone to 4 than one opa te opojution gene gudpepennjujar umenutiera satus je

Pyrryuja cura.

youry nu Ha aventatipaste cute ga je uspas comen varebe cute ga je uspas \(\Sigma(\forall dx + \Gamma dy + \Forall dx)\)

momanitu guspepertyujan jegite spyrte yuje U mj.

Σ(Idx+Ydy+Xdx)=dll

Ottga tily opykynyny ll Hosuloamo opykyz

yyom cuna leba carpanta apegatiab

no Hom erementationity paymy, in fe

d.t=dU

topergrowin opyrieraje il usmety restor

1402 a assemitor asnoxaja des obsupa Ha ayu unu Ha 120H ch wiy anyy 12pos roje je autrem apomon.

Loversam cur dia le ma bandra?

jegHarra u guchepertyuju rentemurité etiépiuje cucinema inj

 $\gamma = \sum \frac{3}{m \Omega_s} - \sum \frac{3}{m \Omega_s}$

aocregne gue jeghorme morkem urn. aumu y oby jegharuny $\sum \frac{mv^2}{2} + (-\mathcal{U}) = \sum \frac{mv^2}{2} + (-\mathcal{U}_0)$

Uspos (-W) Hosubamo apaletyujantum estéptigom cuciaemos, via 3 vivio voa jeg-Hazinta reasité de le 2001 renterinse u watertylijanite etteptilje y witugujan-HOM TONOTKAJY JUZHAR BOUPY RUNTETIURте и потенизизать ефергизе за вреже rumabota Repetitarea una gogium peruma gra je 30 up runt etuwnte u tiotienmujarité esteptuje restaurantium.

Domestynjansty esteptyly momeno cabatante à reas cuscoditocité

cultimenta que obabasa jegity pagnoy. bayans nu 11 ap jegito tieno bepara Realto y ouc, the he heards ruitemurica exeptiga oùagami, anu he netuba tatientinujannità eneptuja montoward with were goody a wow thou ga aagajýhu y uřuyújanrom aonimajy matipat odabna parzny.

Oboasulu mexanturmu cucie mu sa roje ao atuju opyrneujuja ama 30by ce as Jopay Renbury (Bureny · Montooty) 120113eploanubitim. Yirosy-My ru ce cure inperior, ino tochampa-The cucinem cure 'Hehe umantu chuyy OpyHRyujy cura Ustneya, garene, ga y wome chyzajy ruje Toprou yondo sagoboren ga je soup runtumurre u womenty wignite enteringe restrainment The baskin como coi metrasturizot theguinta jep he ce saucina jegan geo MEXANTIME excepting yapourum, anu he ce ao 1200 samu y cheg impersa y con-By thounouse, the service orbig thusy war, and ce mountain, energinpunta u mai Hewith warnow amaway wandoke respondent u mome testepanucamu u y wam obruszy toau on thosub wantywie o ogpstancy eneptuje toou to tracu: and ge y bacustu soup eneptuja toou to they want u tey humando.

<u>Rpettane Rpyttot tiera</u> <u>y apotitopy og tipu gumenzuje</u>.

are a marre aschampanoi ac viena besont untoapujadunito jegnta Ha gryty, ortga repetitionse chare that-12e sabucuhe og repetitioner outranux, as some mopajy actuajame Heren oumin douge 15beniones 150hr mopagy y charron chyragy durin sago. boneita da ma 12012060 12petrame to Juso thu yeardon mopajy buin was bu ga areo asso asshajemo repensame inpuyou was somations as assorbed you the negle y ucinoj upologi, ga ortoga môpano assido vita i repetitione vitasbota cucinema. The otimine yende reviu courages permissional representation

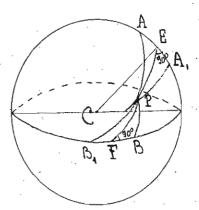
viena hemo caga ga uca unigeno.

Jegne neuomuzne morre.

Morrea C tocomotipantot tiena 14.

120 Oyge Hetomusita. Het tonostaj je
tipema tiome ogpehen y cloarzom momentiny, zatio boara oga toshojemo camentiny i satio boara oga toshojemo camo joju 12petiante ogrutux ogegy tiora.
120 Auß, na oga Ham tiume byge ogpeheno 12petiante cloux tiorarasa. Tonoyeaj tioraze t y bpe-

menty t Herra Syrge it a y openenty to the survivance of y openenty to be y openenty to be a y openenty to b



Tonozkumo pabhuty cnuse sepos manse C, It u.t., Ograsepumo mansy By tocmonipartom meny marso ya byge CB=CL

in j. you marree it is nesse the unity region resperse yestanop nesko y anomeno. aproximo ispos aprioskaje it uit, itajbehu izpyt, the ting izpyt next apema upehannen y pabitutu cruse. Donon el sportarioù eader aeron anon ann x B, Hajbehu 18 pyr. Pacian volumo ny 18 you eader amondous or 2 mosking the manzy Hajbehu Ppyt Royu utyu Hopmarito ita ryrey 4th, Pacionulumo u amusianas at, I musinati , aa rapium 12poz voy najbehu 12pyt 120ju utvju HORMONITO ITA WOM MYRLY BB, OSA REPYra 'cerey ce y marreu 9. Cajumo marrey P Hajbehum ppytobuma ca mansama J. J. B. B. OIty'a wouture usmely apephua apoytholoa 180ge con 14a aaj HOUNTH ang inte ape beyondinge 13,6 2 € 736 4

jep je

3.F = 3F

jep cy yinder 120g & apabu, a aipasta E9 je 30jeghursa. 30mo cnegyje jeg-140rusa

P.L = LP

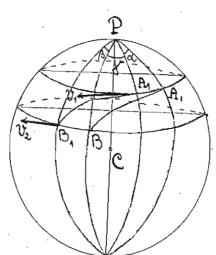
Oba jegitarusta izasyje ga warze t u t. reske ita ucom warparenitom izpyrane warze t u ty aro ogasepemo za wan izyine warze ya P. Haypwajmo itoby cruzy warzey ya

oca CP nesku y
pabituitu chuse.
Oitga neske tu t,
Ita uctiom tappaneritom izpyty.
Us tipbe chuse
chegyje gane
chegyje gane
us uctiva pas no-

2 1019= 8 10,737 TO 1000 U Tipe, TO 3000 Cherry je ga je

36 = 36 300 Re 36

a the share go thanks BuB, respective



watom apparentom ispyty anso ogadepemo aiansy Psa aon. Aigi aonoskaj
apegatasoven je ita gpyty anuju. Audy
umo ita gpyty chuzu mepugujante
ispos aianse J. J., Bu B., oitga cy au
mepugujantu ugentaunsu ca ucas oshovenum itajbehum ispytysuma ita
apoog chuzu. Caojumo ita gpytoj chuzu
aiansy J ca aiansom B itajbehum ispytom u ucao aianso aiansy J, ca aianisom B, oitga cy nyrsovu

isamo sep ce sa opeme reperiama melygcosita guarantyuja tocmatipantuk goejy tiaranea ite mema 3atio cherzyzy obe jegnanuste

BLED = OLPA

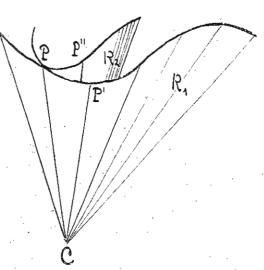
Jeghanze, an zamo * 493 = * 4,78,

unu yavapedub yinvbe d, b, y 1200 mino y 140 chuyu 03H0NeH0

9 = b

a the 3Harre go ce potentiquem tiena ores oce CG sà years a mosse gobeann mariza it go revitijugerujuje ca mar-120m A, a transa B go revity ugenyuje ca transom B. Consycaju AB u A.B. Suru cy, cem pectipulitzujuje ga vativjano maranen variajy neupomenoena, abonopounter, as some mostems are 1502keuro: momentabarto vieno moske ce us but unujujanitut annostraja gobeauting charent apourbonant aprintaj pour ayajom view j'eight oce neuga aponis-34 12/03 maney C. Oños ey apréquité apnoxaj ir apvortoj i sojn, apparamo aj seno genstano centralina ce oco Co. 3000 MOMERITAIONES COURSON EXCHERT ing 12 peniama tocomonipanti tiena ogiobapa jegita invinertuarta oca. Ula oca Menoja do momenta a momenta chy worozkaj y weny a u chuje worustaje y apocatopy. One cy Ham sagarta repetitama travearea tub y enegehen momentay as anso assitujemo berezione opsuste v, à v, the cy the bere-TOPU TONTENTIE HA TOPORERIE 12PY-9 TUDE AA, U BB, au apeninounistramo caga oxa cy apmeparión Iti, u BB, deaspajito manerta. Moskemo ory CP gobuini ortga tha maj thareut gay L'arrana d'uls aproxumo pabilité ROJE CY HOPMONTHE HA GENERAUPE DI UD, Osé me paliture cerey ce y momentait. Ity ou co. Charron momentary repetuama ogivoapa garene jegita momentmarta our. Ones je un repensame restthursympito, the the oca Merka 1804-раной телу а прополи бел преitantier repos transfy C. 3 Ham garene ga cy chu' twowskaju momestituanux vàs y vieny terrepositipue jegitoia 120Hyca 120jeia bpà nesku y mansu C. Ho momentaionta voca menoa isoitau-Hyupito chuj toroskoj y apocatopy,

the series close as noticing momentary - THET EXECUTIONS COSTUMENTS OF THE pampace jegitora restiga y tipocitopy ua opowa y C. Maj reshyc je besant so apoutop as on it theapment done le abon 150,1the peron so vieno voice orpene sajegito ca menom. Y jegitom ogpehenom momentary je tochrotapa. Ha our pourayuje retteparapuca in jegitoi l'apyroi revryed, un sharu grace y tuoj momentarantoj ocu nevija ogiobapa don nomertury graupyjy 050 120Hyca. Ula momentilanta via THERE Syge y ascommunity on the momertury our egg. y thoj ie our go gupyjy ronyc ie, 120 ju je 14ta 0 mu EVALUATION & HIOR M 150 HAC 15° 150 M pourupa sajegito a werom. y che-

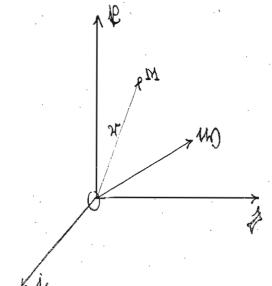


gener momentay umake potrayuorra ous y apounopy apyru asnozes as he ogtobapani Terrépanqueu CP'ieu-14you 12, or unake apytic asnoxaj y comon tieny to he octobopatie te-Hepatipuce C9" Pulyca 12. Y trome aphion momentary he ce Texteroutipuce eg' i eg" gogupuboniu, a aw znariu ga ce revityè rès revuipma un revityey 12, Samo momeno coviso repetitante asconsatification replantations are as marke & exportante the obaj thorum: Andress Hordmernds of hidrand horage h surso um erotu, e ju maxque my obrus musice buill apous bonan; a trenon le pason todan, aboten isonite is or opour y C; obaj apyru 180744 180upou ce aperes aporta.

Répérence acomoraportir dena y memertary t duhe Ham apema arome assituation asso bygens assitubanu neurby memertaristy ory poaarrije, yindrity opsusty a conacos

benususte muskemo apergrando uma sepitum bereinopom MO reojeta ce apa-

bong topygopa ca ocom poticayuje, ruju je ustuest sutuetu seghas yirubhey opsustu u seoju je statepest sta osty compasty ca sote tocomanipa-



ito vieno poviupa y tosuviulo Hom comicny. OHga, and ostarumo bereviupao rostaja tipousbonite vianze M viena ysevi og vio zevitte vianze O bereviupa M ca π , vio μ , now unio como beh bute tigvia reasonu, opsusta vianze M vipegario oresta uspason m = [m]

Ozitazumo nu jegunturnte berzülde y upology itopmantux oca ca i, j, b,

u ornamen nu remantentare beretappa un ca wa, wy, wz, wa yomemo nu y obsup ga cy remioneritue bereitopar urasonire ita cainy, in ropue jezx, y, z, us roprou uspos momeno apegenialium u as genepmentantion

$$10 = \begin{vmatrix} \lambda & \lambda & \beta \\ \omega_x & \omega_y & \omega_z \\ x & y & z \end{vmatrix}$$

ua cy zamo resmuonentue bere urpor 10 cydyearepmunantae apour pegia apeniamine gennepimentative u apena WOME.

$$v_x = \chi \omega_y - y \omega_z$$

$$v_y = \chi \omega_z - \chi \omega_x$$

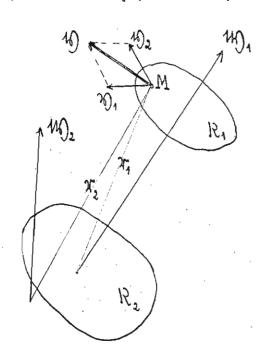
$$v_z = y \omega_x - \chi \omega_y$$

Ми сто ари овот извойранну учитре-JUNE ENTRECIONS 1800 POSITHER MICthem office of Januartanitoj Messa-Huyu odusto apunemyje oppostyy-CIEU, 40 120120 CE Y MOM CRYSCOJY

Ju chi ucoso 30012 petitanoa youra tosumubito isag chegyje y chuchy · Horswite octavity iteapomentere u 30 opposityquen ienopopusianitu cucinem.

Cacinalnance pourauje.

Cochampanto meno 12, 1412a usbaha y warnawiparom momentary poticizajy tregationery berettopom



M), wij. HERED poamba ous aborg persurvous Mi; Mi THERE BYGE GONEne momentaine ou pouraujuje. Ma va pourayuje Herea byge besanta un me-NOW 15° MO HENSO obo poumpa 0120 oce 1102. The

wajno reareby he opourly unated y with supportant momentary apourbornitis.

mariea M menja 12, Yoneg pomanjuje view oce Mr. Suhe westa Späinta 197 = [MO 127]

a yoneg pourayuje one oce un. Suhe

neita Opsinta

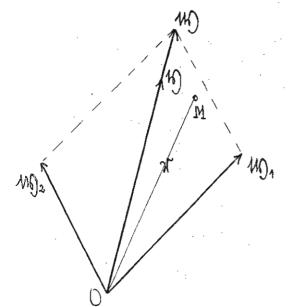
4),=[W), X,] Ito obe obe obsurté grazy re un aprabury apparier of paria cacatabiliane y jegity iaa je sauto pesyntyjyha spouta taanze M

> 40 = 401 + 402= = [M], N1] + [M2 N2]

Ha mater Harun grajy ce caunabum a beha spoj ucinobpene-Hux pomayuja.

Cheyujanitu cryzaj.

1º Oreo ce apabe beretapa mon u MD, metycodito cerejy, ottoja ux musikemo samuchumu ga gejanbyzy y nu suby marren apecera O jep cy ber-



Josumo caya

jegny morney M; ortga je pesynmyjytva Sp-

W = [W, N] + [W, N] =

= [(M), + M)e) x]

Cochobumo nu grasene politicujuje M, u M, y jegity pesyntyjyhy M) M, + M,=M)

ortga je opsusta apousborste aanse M jegnania

W=[21 M)

a au sharu ga ce apousbonita aunza

a apenia atome u ruatabo ateno tepehe y atomatipation momentary atomo teas teas bu in bure momentationto oca poatazuje.

2º Pourayuje M. u M2 Herea caunoabayy jegan benetroponeu capet tag. Herea y maparense, uche benuriste, 140 apoutubitous apabyo. Oitgo modunita aionea M repetie ce y acomatipation momentary yency pomayuje view oce MJ. Hopmanito ita bab-Huty churse, Haveperta je usa churre a noch untürnswiere JEGHONZ JE V,= W, O,

Yoneg pourayus view oce 11), repetie ce modurità maner oce 11), repetie ce modurità maner oce 11), repetie ce pablitute acuse a ma y upablity usa pablitute acuse. Ustuensumem me Sp.

sute jeghonz je

 $V_z = \omega_z \delta_z$

Obe opsunt, jep tragajų y utinu tipabau, muskemu carga jernhotitualino caoponiu, tra je unituens utieti pesyntinyjyhe opsunt jeginan

V= W, S, + W, S,

si asnosi otl

 $W_1 = W_2 = W$

μερ crus 1200 απα σρά υδα θενεπιυρα αρετουναλουμη jegan ταρετ, πω je $v = \omega (\delta_1 + \delta_2) = \omega \alpha$

Tye a ozharaba ogutujame obejy oca.
Obaj uspas zeghar je za che trarree tocmatipariot trena, aa beretrop opzure.
M=M

more dume apequatabnest ocon si to matipaiti apeta (M), Mb), sep se untrensurient the
oce M, jeyhore wa a oca se matepena ita
otty appany beretaporrota capeta ca rese
tochatapant tagi capet saviepene y tosutubitom chucny, garre usa pabitute cruse.

βαπο ο βρουμε τη σα εδε στανικε σος μασιραποί σεια у γον εποιμ ποπεμσι ικας οιτο υρουβα βοε ροσιαιχυίε οικο οια ποίε εανιπουδιαί βενεσιορικα ταρετ βεσπαπε, πασιοριτο ικρεσιαπε. Οδρασιτο, ποκεπο εδιαπο στραπεπαποριτο περεσιαπε у γονεποιμ ποπεμσί σαπεπωπα τα ροσιαυμίομ οικο βεσιτοία ταρετα ποίετα με στα Με βεσμαπκα βενεσιαπορή δροσιτε στα Με βεσμαπο βενεσιαπορή

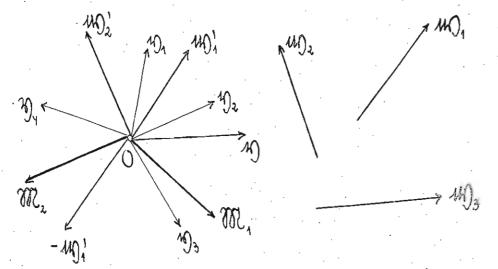
Oamin chyraj.

Mocmaniparto tieno Herra usbata y yorenom momentiny apousbowant spoy potianja apergenial nervas bertropuma

Herra y ucinom momertay usbaha apousbonom sport apantanayaja apegcarabnetus beremopuma

Turiajour mão he Smil pergruigghe

Remande toumout portot thera y yozerom momertuy. Bertuopu M, M, M, M, berartu y 14a Wye apabe aa ce 14e moty apousbooth croopeutiu y jegan. Bertuopu n, n, n, n, ... y crobogituber.



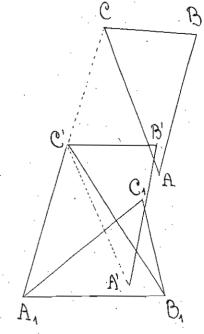
TTOPU TO UK MOHEMU Y TEPOUS BODING THOUS THOUS BODING U CAUS THOUS BODING U CAUS THOUS BODING THOUS HOW THOUS HOW THOUS HOW THOUS HOW THOUS HOW THOUS HOW THOUS THOUS THOUS THOUS THOUS THOUS THOUS THOUS THOUS THE TO THOUS THE Y THOUS HE TO THOUS HE TO THOUS HE TO THOUS HE WE THOUS HE TO THOUS HE WE THOUS HE TO THOUS HE WAS THOUS HE TO THOUS HE TO THOUS HE WAS THOUS HE TO THOUS HE WAS THOUS HE TO THOUS HE WAS THOUS HE TO THOU

HARE CERTUPY M, u CERTUP -M, Tur 3amucrumo ga aocmanipanto aeno usbaha poważujy m; u powazujy -M): The chemo your war jet ce the goe pourantièr les en jedhanse a ubomullité, mety coolito annuma abajy Caga morremo pourayuje m, u - m; cacinabilion y jegity apartinacy 120ja he Sutil aperjationerta ano-Sogrum beretiopom MZ, a tiaj morremo itagobesani y marien O. Yeustuun ino nomo no gereniobimo ils mi. us how between M2 mohu samestuuiu ca bereinopom mj. y morreu O u ca inparteramopom mi. The particularity of min, mi, or gazy ce calculate with y jegity sajegrunney impartancy you a pointancy is my, mi, mi, or gazy ce anoxumu, jep ugy carga che ispos ucury inaney, y jegity socieghurzy potacyujy mo. 3 ans morremo repensame accomaniparior mena pegynerbaniu ita poma-

wyy Mo u Ha wpantenawyy Mo. Y theman motherquireman my usbaha garene me no pourantity on oce Mo u wpan-crawya cem tuota y apology 30 conso apousoonito repetitione repytituita

there y justitum momentary moskems samenumi netroum pouraisujom u нетовот шранспацијот Разапи сто que je repetitione tiène ogpehent aren assitujemo reperione og impu neinte marise isole ye werke in mand abor by. Herea garene apropéaj mux maranza y openeny t oyge t, B, C a y openeity 't+ sto: t, B, C, Mu moopenio us aposta asnoopaja gohu y down apyring the may therein you aponguajnon mena angene moinzy e y annomoj e, a vitoja mostreyo ogbedmen it arom 1400 nm as nookajy riestě poaranjuste oce

The maj Hareut gra. just essential noopeaja J'B' y revje of subegette inparte manying goby y y wonoskoy 1, B. . A. 180 je openie at dec-Bodin movere, an hemo umain jegyty enementuapity inplant naugujy u jeigity Decrepagito manerty



pouraujujy on jeight momenturante oce. Some markens if charrow momentaly Remarke Reputation in error sumertuin as jegitom apanchayujom u jegitom pouraujum.

Upu upehaminen usbahany ou na fe mánea O apousounita. apome-Humb nu tranzy 'O tro hemo goduta go gyme unin bereniop Mo and he beretion no apomentual coop apabay. Us viewpiye cacinaboanda cuna

3 Hamo gra morremo tronoproj transe O transo ogaspatiu ga berettupu Mo

u no tagity y hate tipalous, sep voo cacataloname bure je catalonamy cure catalonamy cure

120 je gejanbyjy 140.
120 jeguste une besonte 140 apabay, the cy chose poteraquie 1809e cy the-120 he besonte the apabay; with cy vitge duru apeirou cura apergaudbriethe chidogitum ocama un cy obge capetobu poarayaja 180gu ga jy impartenanjujej imperguinabnierte modogitum beiraiopuma Chegemonu garrie repetitance itsomation the na Ha pourousujy oro océ Mo u Ha apartanayyy y apabyy no 120 ju ce ürgygapa ca apabyen poürayüje, un qui chanea marrea merra, reaga du voa gla bertupa outianie Héaivelle sa opene ruitabota Repetitanca vaucubana jegan xeninec. 140 bereñopa m. a n. mensahe ce yoùuniem chyzogy og momertia go mo-Mertina, and he is it in scenuscu 120ju du duru où ucubartu og vaararea tiena mensaitu og momertia go mo-MESTILA COURSON MOMERTURY OGIVOAPA jugan enementari xenusca, a in Epériance roye du romaniparto rieno usbatiano renga ce og yozertoi momentais aux its game bertaupu Mo u no Hear mensaru 300emo wanterfying anto acruscouganto isperiance reputation mena 180je ogtobapa yozertoin momentary. Cloures repetitionée repytitut tiena gaze ce apena mone apeganabum isas fe gian revitation yupan this wantertyujantux xenuticougantux repetianos.

