Conparere oSolorer c ciolholorne 1) OSOSIGEMBLE KRAPROJ 3009PEKT B npouzborbkog osovorke Peurenne 2006 jagazles boslevilles nées passerences Sesteauenthoro Cocrosuens u Kpaekolo zopopekia. Zaeobal, nu kotopuex logleoures pazqueence 1. Cretaeta, 200 zona l-Kpaeboro appoekta yskat le pagu-yer kyerteste R, « R2 b eë npege-yax noctobletive. 2. Osolorka telnoloral. B 2. Osolorka telnoloral. B 30te khalboro appekta yron 3. Cruiaera, 270 d() >>(), T.E. Hanpieurep, des >> W u wa du, 3 trazeit w>> u Ceepobateuono, crutale que ocecemente puzanos pareboro soponenta $2e_1 = -\frac{d^2w}{ds^2}, \quad 2e_2 = -\frac{dgd}{R_2}\frac{dw}{ds} \quad ds = R_1 dd$ M2=-D(X+1M2) ypa bresser parteobecus que npourbouchous occulueur questoi osolosites uneclos bug TRAYSING - TO A P/ 3 = - T(0-1)c7

1.
$$\frac{d(\Gamma_l)}{rods} - \frac{cost}{z} T_z + \frac{Q}{R_t} = -P_t$$
2. $\frac{\Gamma_l}{R_t} + \frac{\Gamma_l}{R_z} - \frac{d(Q_l^2)}{rods} = P_s$
3. $\frac{d(M_l^{12})}{rods} - \frac{cost}{r} M_z - Q_t = 0$

Inposper en en ypolineum, manfuner,

 $\frac{d(\Gamma_l^{12})}{rods} = \frac{d\Gamma_l}{ds} + \frac{1}{r} \frac{dz}{ds} T_l$

The entropy of the end of the

Cretaley, 200 Tin << Tin, nocually bupaweller que Ti yellikover c yretoll noctolhillor on pefell-et el B Sejerolleret 2003 Tegerrer, Tro mouro noveazate us paceleotpement palkobecue osolorule. (Tutto 21172 (T.Sind-Q, Co) x) = pTt2 Paggerer b peurenne Ha Segreo-Paggerer procedure de reposeboi agagner noveyment por la T. = R. da, TIK = QIK of X, HO TZK=RZ dQ, Tak reak de >>Q - Tex>>Tik. u 2/8 TioSind = pines Tak reak of >/k - 12k - 120 - $T_{IK} = \frac{Eh}{I-P^2} (E_{IK} + \int_{V} E_{2K})$ = PR2(1- 2R) = Tio(2-) $T_{2K} = \frac{Eh}{1-M^2} \left(\mathcal{E}_{2K} + \mathcal{M} \mathcal{E}_{1K} \right)$ Crestor Tik 20 weresy Eik = - Ne Ez 4 $T_{2K} = \frac{Eh}{1-N^2} (\mathcal{E}_{2K} - \mathcal{N}^2 \mathcal{E}_{2K}) = Eh \mathcal{E}_{2K} = Eh \frac{W_K}{R_2}$ 213 3 ypoblerues pobuobecus $Q_{1K} = -D \frac{d^3W_1}{dR^3}$ Trogerabel son borpagneur l'operation paltechecus, nortypales bropos pabreence paltechecus, nortypales d-We + 4n We = 0 29e 47" = Eh DR2 Pemerene, oternorbals or Karrgord Krass oбысти $W_{K} = C_{1}e^{-\frac{1}{2}}\sin \eta S + C_{2}e^{-\frac{1}{2}}\cos \eta S$ u reperatuses cyanery gbyx $\delta \cos \tau_{1}\cos \tau_{2}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{4}\cos \tau_{1}\cos \tau_{2}\cos \tau_{3}\cos \tau_{4}\cos \tau_{1}\cos \tau_{2}\cos \tau_{2}\cos \tau_{3}\cos \tau_{4}\cos \tau_{1}\cos \tau_{2}\cos \tau_{3}\cos \tau_{4}\cos \tau_{1}\cos \tau_{2}\cos \tau_{2}\cos \tau_{3}\cos \tau_{4}\cos \tau_{1}\cos \tau_{2}\cos \tau_{2}\cos \tau_{3}\cos \tau_{4}\cos \tau_{1}\cos \tau_{2}\cos \tau_{2}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{3}\cos \tau_{2}\cos \tau_{3}\cos \tau_{3}\cos$ gogu Reglen.

Than He, Kak Ju guillyferecko? oбочения alementggieve zuareieul zorgxavougex hepeledigenie Wonfegenserel pyungue? E-73 Ogerene zargxauere 2007 psquesquer rea offere 13, cretal, 200 pt = 3'. Baron regrae e-320,05, Tie me jueure 18 annuityge yeure moetel, cocrabers 5% of cézuarelent l'ha-Us nfezuguje i gopnegdor g18 ? naryzerer $2 = \frac{\sqrt[4]{3(1-14^2)}}{\sqrt[4]{hR_2}} \frac{\Delta 3}{R} = \frac{3}{R}, \frac{3\sqrt{hR_2}}{\sqrt{NR_2}\sqrt{R}} = 2,33\sqrt{\frac{h}{R}}, \sqrt{\frac{R}{R}}$ Cierolateres, othocetelestal gluna otpeznass $y_{201} = \frac{3}{2R_1} = \frac{3}{\sqrt[3]{3(1-N^2)}} \sqrt{\frac{h}{R_1}} \sqrt{\frac{R_2}{R_1}} = 2.33\sqrt{\frac{h}{R_1}} \sqrt{\frac{R_2}{R_1}}$ Dus adepurechois obaeonher RI=R2=R $u \frac{\Delta s}{R} = 2,33\sqrt{\frac{h}{R}}$, m.e. bosperence near making recue ne otheraeted of pener harrender.

orgeneur gar grenngfurecuo? observer.

Dur Topobol observer $\frac{R_2}{R_1} = \frac{0}{R_1 \text{Sind}} + 1$. Culqubarelece, no ogler le Tex >1ce greatellers, h/R, quena 3 open ghe enzerbaera, eau ybe-mentaeral a/R, men quen 6 an aera y yran a. Caequer udiero l'hegy, no peccyugenne enferteglenbor, ecres 35×d < 90°. pacemajoris o glyx ropejex u no micaro w seris si u no tucato W 26/13 5, 6 6/18-5)/ W = en (8-8) [C, Sing, (8-8,) + (20)/18-6)/ ns = e 12(32 - 5) [= 3mg. (5 - 5) + C, Cospe (52 - 5/2) 82 - VXII

el Topegou pacrera obalorus c grerose gaeboro agaprición: 1. Uchonbyge Egreschentlys reopio, onjegentele ychen Tion Tos 2. Bakon lyka onfegerser geofoperaque E10 = 1/ (T10-/4/20), E20= 1/ (T20-/4/10) 3. Ucnossbjegs geopopulayeronubel coorwinellent traxogère Sepremientier rependagemen Wo 4.210 fractornules, brogerque b bajagreeur que 210 tractornules, brogerque b bajagreeur gra 210 u Tro ygoleethopstore reamercemen greeobee silen ne ogene 43 upal osolorum. 4. 30 Micorbalde nouvelle Conformere gul repelleugeren W= Wo + Wx 4912 Kargo 20 Kpar moxogener noctorhuber C, u Cz. 5. Onpegerelle y cereme u deouleptett Ti=Tio, Tz=Tzo+Tzk, Mi=Mix, Mzk=JeMik.
Yourene Q, uj ypobreenens pobreobecers, 6. Marguer Makcerlealbuoie reappurerent $G_{1NAx} = \frac{T_1}{h} + \frac{6M_1}{h_2^2}$; $G_{2MAX} = \frac{T_2}{h} + \frac{6M_2}{h^2}$ Для уминдрической оболетки решение краевого эфоректо_ запишем в форее WK=C,E SinKX + Cze KX COSKX, rge & orcruitebacias on reboro use apabero upas oborornes $R = \frac{Eh}{DR^2}$ Quaeorunuo perellere que Koreezeckoù esolora $W_{K} = C_{1} e^{-\lambda X} sin / X + C_{2} e^{-\lambda X} Col \lambda X$ nge X-orontvibaera or response upa habero upa oborozka bgare ospazyronga, ege $\lambda = \frac{Eh}{DR^2}$

Uzrus éscientes réarquestius. Hai 300 que ropise repépéberoujes cerea 4 mareres de 1000 per la la marie resolution de la compansión de la comp Pemernede 2002 pagern 4 godhi nol6 jobated hor pacrete conperence o Solven a material mateureure yceober nou 8=0 Tipolege gagogrephenyapobanue boepaneneed

John Lege gagogrephenyapobanue Wh = C, E Sin pS + C2. E ? CospS wedge of parties y acobert, macros wiese C, Le C2 repez model with loopageiro nocros wiese C, Le C2 repez model with May 4 wanters Ro Mo 4 y called Ro $C_1 = -\frac{Q_0 + 2M_0}{2\eta^3 D} \quad C_2 = \frac{M_0}{2\eta^2 D}$ $W_{k} = -\frac{1}{2\eta^{3}D} \left(\gamma M_{0} \psi(\eta S) + Q_{0} \theta(\eta S) \right)$ yrube nobapota nophale $v = -\frac{dw}{ds} = -\frac{1}{2\eta^2 D} (2\eta M_0 B(\eta S) + Q_0 \varphi(\eta S))$ Uzu Sawyen Modestet $M_1 = \frac{1}{\eta} (\eta M_0 \varphi(\eta^3) + Q_0 \xi(\eta^3))$ Trepeperoclaeougal Cula $Q_1 = -\left(2\eta M_0 J(\eta 3) - Q_0 \Psi(\eta 3)\right),$ ige blegense auggrougere vogenarestert,

P(78) = E? (Cory 3 + Sin 78) 4 (23) = e-23 (Cosp3 - Sin 23) O(2,3) = e-73 Cogys, 5(73)=e-73 sings Для сопрещения оболебит и шиангоута удобью lbecty pagualocette repectelequesela ycerlus, reampableeneuver népuetique les pas och centeures ples obaeonen paqualque y cumul u nepersurent B coorbeterbren trum orcezinnen reació pucquence paccuotfum orcezinnen reació osopornu Palaz Ti Que Ti Por 2 = 7,21728ind - Que Pere osoporku Pargette cocrollère 4 ispare-2 P Z W W W W for agapent, ourale, vão To = prie/2728ind = plo cuegobarelbre, crutes Por cuegobarelbre, $T_{ik}S_{in}d-Q_{n}Cosd=0$ Tic = Qoctgd = 200 Sens Qz= Qosind + Tix Cosd = Qosind + Qo cosd ctqd Page albhoe youll Pagnalbuse referencement, chipanuse c upactures

Pagnalbuse referencement, chipanuse c upacture

Pagnalbuse referencement, chipanuse c upacture

Top granitions Uz = Ezk Z = Wkz = Wk. Sind spece To Ke, 200 c de R paqualoueix ycerlusx à répensequents récorréquées yrects de plus relituées cocique escouges Equalienthal cociobleconges paqualleero Equalitation de crea horizonal paque Haponge mengende bogundaer 3 a crea horizonal haponge mengende de paque Haponge mengende de paque haponge

Du 10502 05010200 Sejevoletture repugeoraleus youlur Cyreron 2000 2 norme bopa reme guy paqualbroro yculus Prz Gind + PRz · Cosa. Oreno racto he croenobre osverne co man-Oreno racto he croenobre paqualonol rogton gruturato paquellus paqualenturo y culul or nepeloro y culus u sequenturo y culul Tin Jaeure pagealouse répéreusement, Uzz = PR23ind (2-R2-Se) + WKSind. Trogarable buspasselme que un norderneur $\mathcal{U}_{2z} = \frac{PR_{2}^{2} \sin d}{2Eh} \left(2 - \frac{R_{2}}{R_{1}} - f_{4}\right) = \frac{f_{1} d}{22^{3}D} \left(2 - \frac{M_{0} Y(\gamma_{3}) + Q_{0} \theta(\gamma_{3})}{2Eh}\right)$ The confessesses in about the confesses of the unauroyto 400500 creitais teanpableciere unanzoyro gyone de la toure pagears youred do a toure pagears your de vale red leboly your or your de vale red leboly to 20 your de value or your de vale cherry to you be bepxieur preception). To page (bepxieur preception). nanfabelluer orcrera 3 a cure la megbegyusur propulse octaentel temperationelle. Taken ospazore conserveliere co suparezoger Uzz, QZZ b u Min b Kotopux b gabudéservere et brega vooreozitée requiso Wierellento Kosopopayerent 2 me Kud, 3 mo y a great korekpernys 3a beceres 3 et pagery cob kpuberste R, 4 Rz.

б) Нагручение шпонгоута, работающего совинесть с оболожение. Pacceeoque ébe oбогогие conpre-Kenubre and hroy Toue. Type le creetato anan rogt reneres exprese cereine. Co cropouer oбогоген на шиси. 2047 действеро Сивы реакции сорторонен обогоген, произе 70% cunality houser 5616 Hearfycher coscibettivelles Culadles Pu deco-Touselle ofpazole cylerespuble deentode M. To ree upablicul (culor Qui = Q'+Q', +P'u, pablicular) reception Mus = M'-M',+M. Harfywelle dinaserogra leleet beig Muse Qui - 270 novotexpas нагрузко, сразмерностью 8 pegyeourate l'erre-[H] is [H/m] ruex umakrogra bojelesrace reophaticount Cella Win a azensaiocegeen Modelle Muse 43 ndockoct of cromobelle chaso metroy lumberage of cueaem N. uguoele viole Muse ce Brecele Hurfyskor B pezzestate experiebacousero Monenta Min Torka A Breezo R_{w} c 3 au Tux obateux ne 04/2560 neperget l'evleve no everen He plic okousatellede noeopered Treperecycless TORUMA BGORB OLENX 1= p3in(d+29)-58ind= = p [Sind Cos 2) wt Sin 2 wCord - Sind = = p VinCers of elec costant, finduto

Contaell outywhy geopophagero E= AN, a Muse = SG. ydF = SER princosd. p Cos(x+2) pdddp

F OF F Mazz = E Paul Son Cos & (Cosa - Cus Du - Sind Sin Via) dads = $= E \frac{1}{R_{w}4} \int (2\pi \cos^{2}d - 2\pi \sin d \cos d) dd = E \frac{\pi e^{4}}{R_{w}4} \frac{2\pi}{2}$ $= \frac{1}{R_{w}4} \int (2\pi \cos^{2}d - 2\pi \sin d \cos d) dd = E \frac{\pi e^{4}}{R_{w}4} \frac{2\pi}{2}$ C nouversto gpa Breened patrobece & birge-lenko? racia konsya granestres chizé dietige breæviere coperbacolfere des describes M u ujon sa vouglee desles Mazz. Thoening He Z get mouries Muzz. MRdy- Muzo dy = 0. $M_{uu} = \frac{M_{432}}{R_{uu}} = E \frac{\pi \gamma^4}{4R_{uu}} \mathcal{D}_{uu}$ Muzz. Z Gentrebal 200 gen kpyrlesso Cleeke f molecui celespiques orhoceste estes occe x que unaurograph mosoro noneperhoro celebra. ueujeune vousse Win u culor Din

Thabreaux Min = EJ All w sheeted o Sugar

Dur ognocho ED cocial Keed O=EE, E= Ww -> WW = ER = NR 213 ypolkeure palmberes nouobine ROJGISO. N. = De Rus 3 Hearer,

Q = WW EFW and War - Qui Kon

TPEX OSOLOPEK CO a $\mathcal{O}_{w} = \frac{M_{w}R_{w}}{F \gamma_{w}}$ $W_{u} = \frac{Q_{u} R_{u}^{2}}{F F_{u}}$

От и Ми - погонная радиаевная Селей се скругиванощий иношент, прилоченноге к инангоруще. Ри и Ги - радиус инпангорую и поощидь сетенов. Ух - уентральный можент инеруше инпонгорую относительно осе х инангорую. Им и Уи - радиальное перешещение и угол поворота инангорую. Р - погонная сила.

Due orpequeelled seleptecesseex y center u reschertif B rectar consequence osolozen le memonsoyra recorreguées paneierre probles coherections neperengener à 4200 noboporo, e 4227 Que mans Toix no experteres les et Hanpabelleur.

conserve of some remarkable of one comments of the some of the some of the property of the property of the property of the posterior of the property of the pr unadrogia crietaeta nama lechicoire mo

Due conpersence replose oбогогию (щинин-ghereckon) и узел шиангоута

Unz = Wue = Vue X,

Due conpersence bropoi obalozne (gralepe-gherickou) v ysea municipyto.

21(2) = West Vie X2

Due conpagement Meter Daeonke (cope-pareckal, Fredenthereckal, Topocopepiereckal) V2 = Vu

Urz - Wu + Vu X3

23 = Val

Trepensengeners Was a yrea notopora Un stanotes
ognaviolonem que leex rozen conpensenes. 200
ognaviolonem que leex rozen conpensenes. 200
uo una acnodozolaro que que enche enche
y pabrenen.

V' K realietterreckens your bearle chaquer go-sabuit curobbe your being confurrement.

Created holowiteebusiles coeffe, Hampabaserhieses books our Z, whatever a modernies thampab services how reached a modernies yours up thomenton, Harpythanouse the water english yours up the $Q_{ij}^{(2)} + Q_{ij}^{(3)} - T_{io} Cordo + P_{i}(X_{1} + X_{2}) - P$ $Q_{ii} = Q_{ij} + Q_{io}^{(2)} + Q_{io}^{(3)} - T_{io} Cordo + P_{i}(X_{1} + X_{2}) - P$ $M_{ii} = M_{io}^{(1)} + M_{io}^{(2)} + M_{io}^{(3)} + Q_{io}^{(3)} \times_{i} + Q_{io}^{(2)} \times_{i} + Q_{io}^{(3)} \times_{i}$

Monsiege nommenteure cioekobornere borpatre-perl, hobest nekotopore nocotore njeospo-barret, novembre cucreret épobreken $y \, \mathcal{O}_{x} = -\mathcal{O}_{z}$ 4) Uz= Uzz+2 (X1+X3) 5) $(2l_{2}z_{1}+2l_{1}x_{1})\frac{EF_{ue}}{R_{ue}}=Q_{0}l_{1}+Q_{0}^{(2)}+Q_{0}^{(3)}-I_{0}^{(3)}Q_{0}d_{0}+Q_{0}^{(3)}-P_{0}^{(3)}Q_{0}+Q_{0}^{(3)}-P_{0}^{(3)}-P_{0}^{(3$ 6) $29 = \frac{EJ_x}{D_y^2} = M_0^{(1)} - M_0^{(2)} - M_0^{(2)} - Q_0 X_1 + Q_0^{(2)} X_2 + Q_2 X_3 + Q_2 X_3 + Q_2 X_4 + Q_3 X_5 + Q_4 X_5 + Q_4 X_5 + Q_4 X_5 + Q_5 X_5$ + Tio Z, - Tio Z2 - Tio (X3 Cos do - Z3 Sin do) Heuzbeardswee steen word Qui Mo, Qo, Mo, u. Q3) M3). Bre brosseyer le certiley zuareund y 2 lob, repenseyeren u paquarbiblex cert Q2 y 2 lob, repenseyeren u paquarbiblex cert Q2 Borpayrence reple 370 religheatible. Trepeneugenent le grave notopora unanergra onfegernoras bripanemensien Wy = Uzz + 2 + 2 , Vu = 2, noce roso, kak be neeglectible offet racigence.

3 has répartire suarehert cert la le Marchitos
Mo, no néutegetences l'rente gropileque que y current. racigelle. MONTH ROSE MUSEUS DIENERS LE PROPERTO LE TOPPED -MONTHE BOSOLONKOX C Y ZETOLE TOPPED -MUNICIPAD COCTONNES. 3 area onfequero reanperseur.

8) Onpegereller ranpereller Mejuguonalbubie nanpequences que oболюги $G_1 = \frac{T_1}{h} + \frac{6M_1}{h^2}$ Therew Ti = Tio onference no Sezhoweri-HOZ Teopen. Hanfabeene geene u monecuro onferent-wice no zwany, naegrenteary & pequetare pacherob. Ougqueece noupequeel $G_2 = \frac{T_2}{h} + \int_{1}^{4} \frac{6M_1}{h^2}$ $T_2 = T_{20} + Eh \frac{W_K}{R_2} = \overline{I_{20}} - \frac{Eh}{R_2} \frac{1}{2\eta^3 D} (\eta M_0 Y(\eta s) + Q_0 \theta(\eta s))$ Jipu burrece lien y certein grentse cheques of reported y nortees of cerce nog neferragan y nortees (Pi-P2). Brancher ofte pabrier:

Hanfelpelens Branch pabrier:

The Music Park of Ten 1. ege Muze = Mui Ru, l-paccralnere or mafreois isentpalbleois ocen cerevene unatroyro 90 Torui, que koropoi mexogera memprysènce. Qu = EFu Wa = EFu (202 + 2011) $M_{\text{cu}} = \frac{EJ_{x}}{R_{\text{cu}}} \mathcal{Q}_{\text{cu}} = \frac{EJ_{x}}{R_{\text{cu}}} \mathcal{Q}^{(j)}$ Page albuse references les le grod hobopo-To 194) henoclègatolices orpequelotal house borneclèleer recepteateur Qu'i 4 Moi.