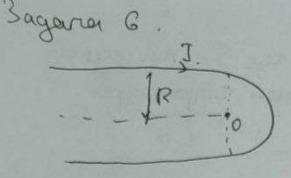
Tyach M. d. 693-22-KT-1 Eg 3agara 1. P = DEds = ES cosd =>E = P/(swsd), EggF=qE => > F = os \frac{\Phi}{swsd} = \frac{\Phi \Phi}{wsd}. Bayrae repr. namp. your werkgy Eu ds = 0 > F = 0 P Ombem: FI = 0 P Bagara 2. P = 4 mg = ES = E = 4 mg Cure, genomb. Ha years texport good, pabres: $F = \frac{\sigma S}{4} \cdot E = \frac{\sigma S}{4} \cdot \frac{4\pi q}{S} = \pi \sigma q$ Sagara 3. al Buyapa: E=0 (7. Taycca) = (p(n) = const. T.k. 9(0)=0, 70 9(n)=0!!! Bue: BEd52= 4782=3470 => E = R2 gEds = E47112 = 470 Q ⇒ E = = = = == => p= Q(+- R), rye R- reignisc openia.

б) Виупри: Е 4 П 1° = 4 П 4 п 13 р = Е = 4 прп V=- 1/3 tiprdr=- 2/3 tipr2+C φ(0)=0 → C=0! Bue: E 4 nr2 = 41 4 TR3p => E = 4 + p R3 1/2 φ= 4πpR3 + C φ(R) = - = 4 TPR2 = 4 TPR2 4= 311 PR3 1- 211 PR2 1 ropasous PR Hamanen na vijó gjujioù bu nijó, perzuepin k-orn ry nyelvimanor perzuepin paccin vijóa nei seek. nalyis benirmy. Torga norok repez ogny uz meneti bu. vijóa perben: Sagara 4. rysa perben: P= P= + Pro, reje Pro-mono moron ogn.

your / E-21=4706 E 222=47662 ⇒E=276 UST. Taycca: => Pap= ES= 270 62 69 = 471 6 (T) => P= 471 le 6 => Pz = 4- Pup = 47/6-27/6/= 27/6/2 Boon, pez-our 1 zagarui: F = 6. PE (T. K. EUXP. JOHN I COCM.) >> F= 27102/2

5) Anaworwyw mpeg. zagovie: P= PE+ Prp = PE+ 2715S, reje S- M. ognoù us moment responsable us T. Taycca: 450) => 9= 4765 5 PE = D- DND = 5402 F = 2402S = 13 402l2 Sagarra 5 Boonsurgemes agrepnozurguet namp. Marigen noue buyopi mapa zagroun. E = 3 TPR ... BENROPIW: E = 4 TIPR Teneps note orpusameterions weight buying mil., new that to or yearspa: E= 4377(-P) = -477p(R-t)= 437pt-47pR [E_ε |= [E'++E']² = [4πpt-4πpR+4πpR]³ Dannal zagara anaubruruni uzn. T.K. zapragn wun. u = \frac{1}{3} mpl bue bueno orp. mayou mayou naugherence nowcomb



Tore & Forme O

workers paccu. Kark

cyneprosymumo gbys

nougaeek. npobogob y

ognoro npobogo & popule

nougorp. B₂ = 2B₁ + B₂

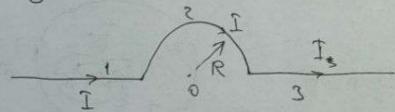
$$B_{1} = \frac{1}{2}B_{sem} = \frac{1}{2}\frac{ZL}{CR} = \frac{1}{CR}$$

$$B_{n} = \int \frac{ZL}{CR} \frac{dL}{r^{2}} = \frac{1}{CR} \frac{dL}{r} \left(\nabla_{r} L \frac{dL}{r} \right)$$

$$= \frac{1}{C}\int \frac{RdL}{R^{2}} = \frac{1}{CR} \frac{dR}{R^{2}} = \frac{1}{CR} \frac{dR}{R^{2}}$$

$$\Rightarrow |B| = \frac{2L}{CR} + \frac{\pi L}{CR} = \frac{L}{CR} \frac{(2+\pi)}{R^{2}}$$

Bagaria 7.



Tracement - 1 n 3 ne wzgarot morm. ung,

Vorga B_E l'yentpe oup cochoum maurico us Bn. B. Mangeno B rpeg. 3 cagare: 113 1 - TI CR > 1BEI = TI CR

Hymens newsy BIN to cympnoquesus on Bihl Jygens Jagura g compound us B, (h) oup. u B2(h) beek. mpologa. B Kurigen 1B. (h): B Kunigen 13, (h)1. Rdl = I 27R2 = [R2+h2)3/2 = C (R2+h2)3/2 = =217 R2+h2/3/2; Harigan (Bz(hl): 1 BR24 h2 => &Ball = B2mR2+h2 = # 41 I = B=21 | R2+h2 |B2(h) = 2I = 1 reprinent to co coponin, reje Jok ugem ha hail. => wsd = ws (B+==)= sing = R2+h2. Torga m T. Kuchnyevs: |BE(h)| = 2[T2 P4 | 1 | 1 | 2 TR2 | wx] = - T - 204 | (R2+h2)3 + [(R2+h2)] = (R2+h2)2 = wx] = - T - 204 $=\frac{2I}{C}\left[\frac{\pi^{2}R^{4}}{(R^{2}+h^{2})^{3}}+\frac{1}{(R^{2}+h^{2})}+\frac{2\pi R^{3}}{(R^{2}+h^{2})^{5/2}}\right]^{1/2}=$ $= \frac{2\pi I}{c} \left[\frac{R^4}{(R^2 + h^2)^3} + \frac{1}{\pi^2 (R^2 + h^2)} + \frac{2R^3}{\pi (R^2 + h^2)^{5/2}} \right]^{\frac{1}{2}}$

Sayara 9 j=jo=22! 1411 Jo Za & 13(z)= 47 /30 Z3 2Bl = 40 jids = 40 jio 22 ldz = = 4th jo de = 4th jo de 12 de = \$ 10.00 = 7 > 0/2 Brysmi: 28l = 417 j. = 417 j. = 417 j. = 323 =>B(2)= 4# jo = 2) 411 jo 23 , Z < d

Sagara 10.

Pauma obragaem menumumum momenmum $M = \alpha^2 \frac{1}{2} I$. Torega gus nee cryperfegurba apopungun: $B_{11} = \frac{1}{c} \frac{2 \text{Ul coold}}{r^3} \text{ u } B_1 = \frac{1}{c} \frac{\text{Usind}}{r^3}$ Orchaga: $B = B_{11}^2 + B_1^2 = \sqrt{\frac{4}{c^2}} \frac{\text{U}^2 \cos^2 d}{r^6} + \frac{1}{c^2} \frac{\text{U}^2 \sin^2 d}{r^6} = \frac{\text{U}}{c r^3} \sqrt{3\cos^2 d} + 17 = \frac{\text{U}}{c r^3} \sqrt{3\cos^2 d} + \frac{1}{c^2} \sqrt{3\cos^2 d} +$