B = 12 3.246 90 = [[BdS \$ Bdē = po Z Ji 272B = µ0 JN B= MONT p = f B(2) hdz = the 2 JNh hn n 3. 250 a) dB = 10 Jdl 2 rind BR Brangeno ingynniso minuge Be = 5 dB = 5 m. y de ma 900 = m. y Jde = m. y = 411 22 211R Fai Pozidieno guca na vineneli apomapara pagigea 2 i nobumin de. Bapug mora

6 = day momaning: 5 = dor ely = 527edz. Яри оберточний диску водого промарту mere conjugue de J = day = day w = 5 w = day dB = mo dJ = mo 22 B = 1 Mow 5 dz = M. 5wR 5) Pm = i 5.

dpm = dJ T22 = 5w = 722d2 Pm = Sapm = SOTW 23d2 = Gw TR4 3 251. 10/ - 15 w dJ = dox = do 27 5 = dg = dg = 27/2 mn0 +d0 dg = 272 2 min 8 d0 5

OB = Mo dy 2A2 win Down 0 = Mo dy more B = SdB = 5 10 0 00 00 27 2 272 vin 8 d 0 6 = = M3 G w 2 J vin O d 0 = 2 m. 6 w 2 3. 255 B = M. ( y dl2 singo = = M. Jall = M.J. F = JB = Mo J= 5) 81  $B = 2 \frac{M_0 J}{4 \pi \left(\frac{\varrho}{2}\right)} = \frac{M_0 J}{\pi \varrho}$ FA = Me

6,256 BRITABE

\$ B de = m. ZJ.

M. Drin 2x

470

B 2 7 2 = M. 7 B = M. 8

2 = a cos a

B = MO J = M. J 250

Bz = Brink = M. Jeakrink =

dFx = J.Bz = M. Jinax

de 125 4ha

 $\frac{d^2 F_A}{d\ell^2} = \frac{M_0 \, J^2 \cos \lambda \lambda}{2 \pi \alpha} = 0 \implies \lambda = \frac{J}{4}$ 

of FA Last = Mo ya

3.257 T de T ⊗<sub>B</sub> Ha Koncen erem gobranom de gie anna BJdl Vie zymoburos nanpyry & npobogo.T. Td& = BJde, ge dd - nym, nig amoun bugus enemen de is menning  $T = B T \frac{d\ell}{d\lambda} = B T R$ Troba pozpuly F = 5 m S, ge S - repepi провода, бле - границе инимости BJR = om Td2 => Bmax = on Ad2 4 JR

3.258 Розгиенено мотенти To State of the st our bignoeno m. O: 2mg & rin D + mg l min B: = FACCOSO 2 mg nin 0 = FA cos 0 Fx = 2mg tg 0 = 2p Vgtg 0 = 2 p e S g tg 0 3 immoro Jong A = JlB JlB = 2pl3gtg0 => B = 2psgtg0 FA = JeB 3,261 a) d= na Bo do Francisco a Примонумия рамка знаходиться в неоднор. marinmony nous, inggen moro quiene. Lig brgeman B = M. J 2 T Z in m. mo unpr. B, in

Ha noncurri even company paroun b marin. non gie cum Annepa dF = Jotde BI dF = Jo Bdl ( my bp B many nepneng, pus) F = S Jo Ball Cum F2 i F4 pibri , are nyomunemini za manpienemen, many pezyme ix ana governo D  $F_{\eta} = \int \frac{\mu_{0} y_{0} J}{2\pi (d_{0} - d_{0})} dl = \frac{\mu_{0} J_{0} J}{2\pi (d_{0} - d_{0})} - \frac{\mu_{0} J_{0} J}{2\pi \eta} \frac{\mu_{0} J_{0} J}{\pi (2\eta - 1)}$  $F_{3} = \int_{0}^{2\pi} \frac{\mu_{0} J_{0} J}{2\pi (d+\alpha)} d\ell = \frac{\mu_{0} J_{0} J_{0}}{2\pi a (d+\alpha)} = \frac{\mu_{0} J_{0} J}{2\pi (d+\alpha)}$ Pezymonyon aura: F=F1-F3 = Mo J. J (1-1)  $=\frac{\mu_0}{\pi}\frac{J_0}{(4\chi^2-1)}F=F_1-F_3=\frac{\mu_0}{\pi}\frac{J_0}{J_0}\frac{J}{J_0}-\frac{\mu_0}{\pi}\frac{J_0}{J_0}\frac{J}{J_0}=\frac{2\mu_0}{\pi}\frac{J_0}{\pi}\frac{J_0}{J_0}$ a 50 3.258 B CONTRACTOR Tiens bigger na myn d pana zamu b pilnobozi B B Yusba pibustam. ZM: = 0 Ha nonemy is 3 macmin upogiron gli anni ana Asenop bignense

Cuna manciona. Ha upstignum AB : CD grisme pilmi no bemenum, and upomerences many. inm Amn. Paginge- 6- pm mx un ognanobi, nony nomen me una un manore probeni no bemmani i протил напримені, побто сумарний Ha mobignur CD gre ana Annepa F. = IlB (rind = ringo" = 1, seninoun I p B & even company It byacomo eprengnagnepni). Moneron un Fa Bignoco oci oбер- $M_1 = [\overline{2} \times \overline{F}]$ , ge 2i = lB-pre Er i Fa nonpabueni nig mon 3 = (-90°-x) M, = - F, e min (90°-2) = - F, e coox Ha beco apolique que cum mencione P

3.266

E (a) - part

3.267

3 n n. npo impugnarino inggents ognies nacmarm  $\frac{1}{8}$   $\frac{$ ge i - minimu yennen empyny y bungay glox momen : B = pe, i Omne, ou me , mo gre un ogumento nobepxni F, = 1 B i gobnewny - unpring =  $= \frac{B^2}{2\mu_0}$  (F = BJl)

3.278

Burnon z monour emborros mara none,

benum na enoro na oci (zag. 3.2225) B(x) = 40 TR2 (R2+22)2/2

F(x) = pm DB(x)

 $F(x) = -\frac{3}{2} \mu_0 Jp_m \frac{R^2 \chi}{(R^2 + \kappa^2)^{\frac{5}{2}}} \qquad \int \chi p_m$ 

I garony burngry