



un Esta Ez= Lit (a) L 63) Mg D-3n (ILB) = 0-3. 2A.0,3m.0.057 49) V= kQ kd 1ka =0 = 0.009 Nm (b) V (in) E. umr Den (d) V LQ - rud 50) Mar E, dy - - 201-3 (a) e 51) E. Vana (a)V 70)(b))o 60) Was U = 2 LI = 1 L. 62 61) 2-- L dt (e) 1 212 (b) V (2) (35"+60") = WD (20+1-10-6A)=20V 2041 = WA 1252 (DAW

[993 FR/MECH 30 mich Much 1 of PEs= 2 har - [(400 1/m) (0.5 m) 2 m) MARIA = 503 21 b) PEs= = 12 mV = Mmcg = = 2 kA2 = 1 (06 mrzzz pany - uzr - 1 Wz 16) Ez= Ma mNi-- bA2-2mmgd 1 Nf= In Vear-Zunege = 44 (4000m)(2m)-2(0.4)(44)(40%) c) 7 4v= mdv at dt c) mere +mero = (mero) v + (me (Fo ter) st = fordr VE- mc (VL) = 4m (2.99 mg)

(1.53 ag) MV = (Fo-LN)t N(1)= [(0-4~) 1 d) [(metho) ve = pr(method) gd +1 Fo-liv = br J= (method) 2 (1-63 2/2) 2 (1-63 2/2) Fo-ler m (dr - fdr +1 - 1 July du = m

- 1 July du = m

- 1 July du = m

- 2 July - du

- 2 July - du mus 41 Fo-NV= e m V= = (Fo-e m)





