

3. Wangsmes 1724: #= 13.1A . 1 1 Molenda . Urg = Molend & In (b) # 1= Molela () Using Magritic NRG: Um= = Soll = 1 pole a 40 Tend roled 200 417 (b) + 1= 24 = 40 f (b) (V 2400 412 = 40°E2 = 40E2 + I = 87°02 fm = 47.110 m atm = I = 25000A. 4. Wangsmen 18-1. m= 15 7'x 7d7'=157'x [di' = 1 ((ap+bsnng2) x Ide si'=dr', a de + bncosp de 2 = 1 ((a)+bsmm/2) x I (add & + bm cosbd & 2) in has to be 7/2 because if n=1 =) m= 1 (2 (0) + bsing 2) x [(adg 3 + bcox d dg 2)
= 1 [11022 V Son cosng (sing 2 - cos 69) ds = 1 E (21 (a22dø + abncosø dø (-6) + absind dø (-8) 6. Cua rgsness 19-3. m=m2 (a +=20)/2 = = 0 gwg Br= 40m 2cost . 68 = 40m sint (eqn 19-24) = B= 5r+60

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6. Wangsness 19-7. Brut = Br+Be = Mom (2005 07 + Sin 00); m = Total

4 = $B.dd = 5000 HO ITA2 (2005 0) r25in 0 do do

4 Try3
                                                        1= 162+22 = C
          = ME = M: MOTTO162 = MOTTO162 + 20)

= ME = M: MOTTO162 = MOTTO162+22)
          7. Warginess 19-11. (1:p: 10 [(mi.me) - 3 (mi.R)(m2.R)] (egn 19-86)
               4/TR3 of minne [cos (dade) -3 cosdicos de Il cos(A-B) = cos AcosB + sin Asin B
                  No mima (Cosdi Cosde + sindi sinda - 3cosdi Cosda)
                  Mo mima (-2cosdacosda+sindasinda)
          ms fixed & one notates = To =0 =1 du =0 (torque at one =0)

=1 - 1cosds (-sinds) + sinds cosds =0 = sinds cosds = -2cosds sinds
(1) d= 1 + tant = -2tande = 0=-2tande = d== 1 plip - 40 >0 (unstable)
    19-16. Wangsness 18-16.
            A= 100 ( 17/3 + - 1/213) = 40 m ( 2x ( 12- 02) /2
              = 40 mr sind 1

4713 (1+92-29cosd) 3/2 (1+92/12+20cosd) 3/2
          30 = (30 °) 30 ° ) 30 ° 20 ° 1 / 80 ° ) cos 8 5 6 ° 4
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Gooding Space for 6,8,7: All Correct for 6 & similar answers

for 8. As for 7, I did not explain conceptually why the

answer makes sense.

Overall: Math wise, this is an easy homework. I towever,

I am still stuck at conceptual questions like 764

as I am not fully under 8 tend the concepts behind the

math, which is something I need to work on more.