chapter 31. 4.23,26,30,43,41,50 3. Ceq = 2 Ci = 8.4+2.5+3.5=14.4 pwf.=1.44x10-5 Lieg = Elir = 12mH = 1,2×10-2H w= \frac{1}{J40} = 2405.63 rad/s = f = \frac{20}{2\text{\textit{g}}} = 383 4 \frac{2}{5}. (b). No change (c) b (d) 1 ces 1.1 $I = \frac{\sum_{\alpha}}{\sqrt{R^{2}+C/(L-X_{c})}} \qquad \phi = \sqrt{2^{\alpha}} \cos \phi = 0.743$ leads the ent (U) more capacity · ds. Z.R. 2 \$ +0° 50 No (g). Tes. (h) Pave = \frac{\Sml}{2} \overline{10} \quad = 21.20. No. tang = 16-76-9 = fam (-25"). toun 20 = NU-XC I = Em XU-XC XL-XC = Em I. R= \frac{\xin}{1600} = 73.802 \times 4 = 20fd 4 = wd.4 C=43.3pt 4=234mH 30. (a) I = 2. = 5m = 5m (b) VR=VC (c) tay=-45 (d) wd = 718 rad/s (e) I= 5m = 170m/