





27 gul clisis at to Find Web. (4) For t20: BA FAR WORF course transformation From KVL: -Vet Lig-Vg+Ri=0

Fr V+L[c3]'+RC3-V3=0-0"V+RU'V+(UC)'V=(UC)'V5 stability; a = (20)'R=3, 40=(00)'2=5 - 4 4-derdamped SO V(0) = V++V3 = V++V(0) = V++(-Vc0) = V++12 For V; V; e3t(c,ccs(wat)+c3so(wat)) where wa=(w.2m2)2=4 491-9 IC'S: -V(0) = V55 + C1 + 8 = 12 + C1 -0 C1 = -4 50 V(1) = = 3+(-4 cos(4)+Cs sin(4+4)) + Vss Thurter: "(0) = -3 e (-4 +0) + e (0 +46) v, -+ V(0) = 17 + 40, +0, 6et V(0) = 6.1 1(0) = 0 - C = -3. Also, Ven - - Ve. 1. Volon: le (4 ces (40) + 3 sin(40) - 12 ] v

2.8 9W1 closes at 6-0. Find Ve(6). Par 3552 3/11/ i(a): 303A: 1A, Ve(a): 04, i(a):34, Ve(a):04 For (30) in + in + in = 3 Voltage + i'Symon + c i = 3 の方に マドットじいトロッニロー・ット(RC)・(CC)・10 (4) Wo = 10, a = (2RC) = 10 -+ Crit. damp. gince V(0")=0, 0=e'(c,(a)+c,) + c,=0 Also, i(0) = c'ic(0); 200 % 60, 200 = [Cté"] = Cié-10Ci(o)e = C, -v Ci=200