7-5. Uc10-)= 5x 100+28-4V :- 2cp=1 · ucto uco e-t = 4e-tV 1 Uc-40-t X10-5 A 7-6. 100)= 100)= 1711A= 2A 新关的约2 -L祭=iR D= -R=-4 i(t)=2e-gt A ULL 1: 81=16. e-gt V. Uc(0) = 60 x 150 HO0 = 24V 1 (00) = 60 = -0.14A = 60 = 0.24A 8 电感电流 R--1000 I(t)= 024. e-1000t p

-RC = -2000 -- U(+)=24.e-2000EV I'(t)= U(t) = 0.24. e-2000t j = I'(t) - I(t)= 0.24 (e-2000t - e-1000t)A 600) UC(0)=0 Uc(M)= isR · Uc= isRO - isl-e ZRC ·发出功等为157K(1- = e-元 7-12. Uc(0+)= OV Uc(0)=2V , Reg= 00 Uc(t)=2(1-P-

7-13. 当联闭治经规模的通 电流源在电感处理的 i,=3A 电压源在电感处产性电流 : ilm)=in+iz= iut)= i(00) + (i10) - i(100) P = (1-e-=t) &A 10 Uc(01)=6V Ugo )=12V Reg= 12/2/ T=12C-1X103x20X10-6=4X10-25 - Uc= (1c(1))+ (1c(0+) - (1c(1))).e = 12V+25-22)-6.e-25tV =1/2 -6e-25t/V ict)= c. dauci 275×103-0

