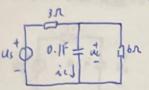


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10-41 电容已元电至27, 4=38(七) く、ボルイキュイ



$$u_{i(0^{+})} - u_{i(0^{-})} = \frac{1}{0.1} \int_{0^{-}}^{0^{+}} \delta(t) dt = 10$$

$$\lambda(1t) = \frac{du_t}{dt} = 0.1(-60e^{-st}\xi(t) + 12\delta(t) - 2\delta(t))$$

= $-6e^{-st}\xi(t) + \delta(t)A$

$$10-48 \text{ h(t)} = \begin{cases} 2e^{-t} & 0.45 \end{cases}$$

$$10-48 \text{ h(t)} = \begin{cases} 2e^{-t} & 0 < t \leq 3 \end{cases}$$
 成本此电路由于输入 $i_0 = 4 \left(\epsilon_{(t)} - \epsilon_{(t-1)} \right)$ 所引起的复数忘叨忘。 $0 < t \leq 2$, $\int_0^t 4 \times 2e^{-(t-t)} dt$

$$0(t \le 2 , \int_0^t 4 \times 2e^{-(t-z)} dz$$
= $8(1-e^{-t})$

$$= 8(1-e^{-t})$$

$$= 8(1-e^{-t})$$

$$= 8(e^{t-t})$$

$$= 8(e^{t-t}-e^{-t})$$

$$\frac{1}{25} = \begin{cases} 8(1-e^{-t}) & 0.4t \le 2 \\ 8(e^{2-t}-e^{-t}) & 2.1t \le 3 \\ 8(e^{2-t}-e^{5-2t}) & 3.1t \le 3 \end{cases}$$

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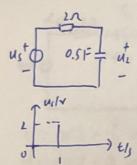
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10-50 电压派波形 (12(0-)=0. 用卷积本(1)



東海域の反
$$0\sim0^{+}$$
 $1 = 0.5\delta(t)A$

$$1 = 0.5\delta(t)A$$

$$\frac{1}{\sqrt{1+e^{-t}}}$$

$$= 2t (1-e^{-t})$$

$$= 2t (1-e^{-t})$$

$$= 2t (1-e^{-t})$$

$$= 2t (1-e^{-t})$$

$$0(t \le 1)$$
, $\int_0^t 2t e^{-(t-\tau)} d\tau$

$$U_2 = \begin{cases} 0 & t \le 0 \\ 2t(1-e^{-t}) & 0 \le t \le 1 \\ 1.264t & t > 1 \end{cases}$$

10-51, 无初始循轨, 当以=10至(t) V 17·内应, U。=6(1-e-wt)至(t) V. 求以=5e-t至(t) V对 U。

鱼往情快响应 S(U=0.6(1-e-10t) E(t) 单位冲海响应h(t)=j(t)=6e"t &(t)

$$\int_{0}^{t} 5e^{-t} \cdot 6e^{-10(t-t)} dt$$
= $30e^{-11t} \int_{0}^{t} e^{-10t} dt$
= $3(e^{-t} - e^{-10t})$

$$= 3(e^{-t} - e^{-10t}) + 2(t) = 3(e^{-t} - e^{-10t})$$

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$$0^{-} \sim 0^{+} \frac{8}{3} \times 0.5 = u \times |tu \times| \Rightarrow u_{1} = \frac{1}{3} \vee$$

$$U_3(9) = \frac{0.5}{0.5+2} \times 4 = 0.8$$

$$U_{i3}(t) = (0.8 - 0.173e^{-1.11t}) \xi (1) \vee U_{i}(0^{\circ}) = 3.7 \vee U_{i}(0^{\circ}) = \frac{8}{3} \vee = 0.10^{\circ}).$$

$$U_{c_1}(t) = (3.2-0.53)e^{-1.75t}) \xi(t) + 2.667 \xi(-t) V.$$

$$n'(t) = \frac{du_{i}(t)}{dt} = 0.113e^{-1.25t} \xi(t) A.$$