Xilinx Zynq FPGA, TI DSP, MCU 기반의 프로그래밍 및 회로 설계 전문가 과정

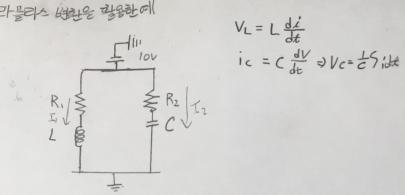
#60

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平的
 (하수단위의 직교화)
 (f(x), S(x)) = 56 f(x) (x) dx = 0.
    나지고한다.
 <f(z), g(x)) = 5 = 5 = 5 in(x) sin(xx) dz.
 e^{i\pi} = \cos x + i \sin x

\times \sin x = \frac{e^{ix} - e^{-ix}}{2i}, \cos x^2 z
-45 Th (eix-e-ix) (ezix-e-zin) dz
 -45-1 esix-en-en-eix+e-six dx
 -45 T (e3in+e-3ix -(eix+e-ix)) de
 (05岁 27)对皇0
  = 0 对主 到正社中
 *王山山人已三章 이용하여 正松叶 收款
  4(x) - RIXLO = 0
  G(X)0'6766 = 1
 ao=5 = Sex) dx = 5- rodx +5 ridx = 1
an = 1 5 = (1) (0) (1 2) (1 = 50 0 605 2 + 5 (0) (1 2) 62
       共「Insin(平2)](下 = 0.
 bn= 亡くても(z)sin(中の)は= 年[一元cos(中な)]で
          = 亡(+元+元)= 元
     -- 5(x) = = = = = 5 = 5 in(=x) dx.
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라들리스 的社会 학원한에



$$V_{L} = L \frac{di}{dt}$$

$$ic = C \frac{dV}{dt} \Rightarrow V_{C} = \frac{1}{C} \int_{i}^{\infty} dt$$

1,
$$(0=1, R_1 + LL_1)$$

2. $10=i2R_2+i5i_2dx$
 $\frac{10}{5}=I_1(s)R_1+L5sI(s)-\lambda(0)$
 $\frac{10}{5}=I_2(s)R_2+i5I_2(s)$

$$I_{1}(s) = \frac{10}{1.5(s + \frac{R_{1}}{2L})^{2} - \frac{R_{1}^{2}}{4L^{2}}}$$

$$\lambda^{-1} \{ \cos(\omega_{2})^{2} = s^{2} - \omega^{2}$$

$$\omega = \frac{R_{1}}{2L} \frac{1}{2L} \frac{1}{2L} \frac{2L}{2L} \frac{R_{1}^{2}}{2L}$$

$$\frac{R_{1}}{R_{1}} \times \frac{(\frac{R_{1}}{2L})^{2} - (\frac{R_{1}}{2L})^{2}}{(\frac{R_{1}}{2L})^{2} - (\frac{R_{1}}{2L})^{2}}$$

$$i_1(t) = \frac{20}{R_1} \cosh\left(\frac{R_1}{2L}t\right) e^{-\frac{R_1}{2L}t}$$

$$i(t) = \frac{20}{R_1} \cosh(\frac{R}{2}t) e^{-\frac{R}{2}t}$$

$$V_L(t) = \frac{20}{R_1} \cosh(\frac{R}{2}t) e^{-\frac{R}{2}t} - \frac{R}{2L} \frac{20}{R_1} \cosh(\frac{R}{2}t) e^{-\frac{R}{2}t}$$

$$V_L(t) = \frac{20}{R_1} \cosh(\frac{R}{2}t) e^{-\frac{R}{2}t} - \frac{R}{2L} \frac{20}{R_1} \cosh(\frac{R}{2}t) e^{-\frac{R}{2}t}$$

$$I_{2(5)} = \frac{10c}{SR_{2}CH} = \frac{10c}{R_{2}c(5+R_{2}c)} = \frac{10}{R_{2}} \cdot \frac{1}{(5+R_{2}c)}$$

$$i_{2}(t) = \frac{10}{R_{2}} \cdot e^{-\frac{t}{R_{2}c}}$$

$$I_{0} = I_{1}(S) \left(\frac{SR_{1} + LS^{2}}{SR_{1} + LS^{2}} \right)$$

$$I_{0} = I_{2}(S) \left(\frac{SR_{2} + C}{SR_{2} + C} \right)$$

$$I_{2}(S) = \frac{I_{0}}{SR_{2} + C} = \frac{I_{0}}{SR_{2}C + I}$$

$$I_{1}(S) = \frac{I_{0}}{(SR_{1} + LS^{2})} = \frac{I_{0}}{L \left(\frac{S^{2} + R_{1}}{SL_{2}} \right)}$$

$$\left(\frac{S + \frac{R_{1}}{SL_{1}}}{SL_{2}} \right)^{2} - \frac{R_{1}^{2}}{4L_{2}^{2}}$$