고급전력전자공학 정오표

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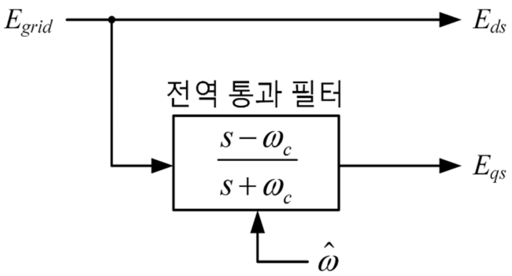
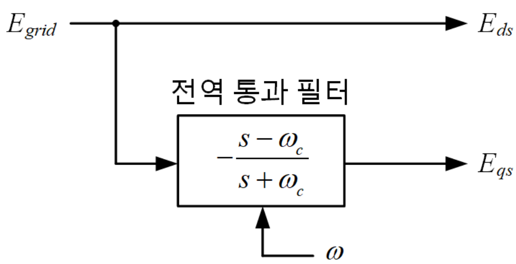
위치	기존	수정
식 (3.2)	$V_{as}=\frac{2S_a-S_b-S_c}{3}V_{dc}$ $V_{bs}=\frac{-S_a+2S_b-S_c}{3}V_{dc}$ $V_{cs}=\frac{-S_a+S_b-2S_c}{3}V_{dc}$	$V_{as}=\frac{2S_a-S_b-S_c}{3}V_{dc}$ $V_{bs}=\frac{-S_a+2S_b-S_c}{3}V_{dc}$ $V_{cs}=\frac{-S_a-S_b+2S_c}{3}V_{dc}$
식 (3.3)	$V_s=\frac{2}{3}V_{ac}\left[S_a+S_be^{j\frac{2\pi}{3}}+S_ce^{j\frac{4\pi}{3}}\right]$	$V_s=\frac{2}{3}V_{dc}\left[S_a+S_be^{j\frac{2\pi}{3}}+S_ce^{j\frac{4\pi}{3}}\right]$
[그림 7.9]	 	
150p 10줄	"임의의 차단 주파수를 갖는 전역통과필터의 …"	"90° 지연 신호 발생을 위한 임의의 차단 주파수를 갖는 전역통과필터의…"
식 (7.23)	$H(s)=\frac{s-\omega}{s+\omega}$	$H(s)=-\frac{s-\omega}{s+\omega}$
식 (7.24)	$E_{qs}(s)=\frac{s-\omega}{s+\omega}\cdot E_{ds}(s)=\left(1-2\frac{\omega}{s+\omega}\right)\cdot E_{ds}(s)$	$E_{qs}(s)=\left(-\frac{s-\omega}{s+\omega}\right)\cdot E_{ds}(s)=\left(\frac{2\omega}{s+\omega}-1\right)\cdot E_{ds}(s)$
식 (7.26)	$E_{qs}(s)=\left(1-2\frac{\omega}{s+\omega}\right)\cdot\left(\frac{E_m\cdot\omega}{s^2+\omega^2}\right)$ $=\frac{E_m\cdot\omega}{s^2+\omega^2}-2\cdot E_m\frac{\omega}{s+\omega}\frac{\omega}{s^2+\omega^2}$	$E_{qs}(s)=\left(\frac{2\omega}{s+\omega}-1\right)\cdot\left(\frac{E_m\cdot\omega}{s^2+\omega^2}\right)$ $=\frac{2\omega}{s+\omega}\frac{E_m\cdot\omega}{s^2+\omega^2}-\frac{E_m\cdot\omega}{s^2+\omega^2}$
식 (7.27)	$E_{qs}(s)=\frac{E_m\cdot\omega}{s^2+\omega^2}+E_m\left(-\frac{1}{s+\omega}+\frac{s}{s^2+\omega^2}-\frac{\omega}{s^2+\omega^2}\right)$	$E_{qs}(s)=E_m\left(\frac{1}{s+\omega}-\frac{s}{s^2+\omega^2}+\frac{\omega}{s^2+\omega^2}\right)-\frac{E_m\cdot\omega}{s^2+\omega^2}$
식 (7.28)	$E_{qs}(s)=\frac{E_m\cdot\omega}{s^2+\omega^2}-\frac{E_m}{s+\omega}$	$E_{qs}(s)=\frac{E_m}{s+\omega}-\frac{E_m\cdot s}{s^2+\omega^2}$
151p 11줄	"단상 계통 전압의 위상보다 90° 앞서는 신호를 얻을 수 있다."	"단상 계통 전압의 위상보다 90° 지연된 신호를 얻을 수 있다."
식 (7.30)	$e^{\omega t}=\frac{1}{s-\omega}$	$e^{-\omega t}=\frac{1}{s+\omega}$
식 (7.31)	$E_{qs}(t)=E_m\cdot e^{\omega t}+E_m\cdot\cos\omega t=E_m\cdot\cos\omega t$	$E_{qs}(t)=E_m\cdot e^{-\omega t}-E_m\cdot\cos\omega t\simeq -E_m\cdot\cos\omega t$
식 (8.1)	$E_d^{\omega}=RI_d^{\omega}+L\frac{dI_d^{\omega}}{dt}-\omega LI_q^{\omega}+V_d^{\omega}$ $E_q^{\omega}=RI_q^{\omega}+L\frac{dI_q^{\omega}}{dt}-\omega LI_d^{\omega}+V_q^{\omega}$	$E_d^{\omega}=RI_d^{\omega}+L\frac{dI_d^{\omega}}{dt}-\omega LI_q^{\omega}+V_d^{\omega}$ $E_q^{\omega}=RI_q^{\omega}+L\frac{dI_q^{\omega}}{dt}+\omega LI_d^{\omega}+V_q^{\omega}$

식 (8.2)	$V_d^\omega = V_{d\_fb}^\omega + V_{d\_ff}^\omega$ $= K_p(I_d^* - I_d) + K_i\int(I_d^* - I_d)dt + E_d^\omega + \omega L I_q^\omega$ $V_q^\omega = V_{q\_fb}^\omega + V_{q\_ff}^\omega$ $= K_p(I_q^* - I_q) + K_i\int(I_q^* - I_q)dt + E_q^\omega + \omega L I_d^\omega$	$V_d^\omega = V_{d\_fb}^\omega + V_{d\_ff}^\omega$ $= K_p(I_d^* - I_d) + K_i\int(I_d^* - I_d)dt + E_d^\omega - \omega L I_q^\omega$ $V_q^\omega = V_{q\_fb}^\omega + V_{q\_ff}^\omega$ $= K_p(I_q^* - I_q) + K_i\int(I_q^* - I_q)dt + E_q^\omega + \omega L I_d^\omega$
식 (8.6)	$I(s) = \dfrac{\alpha \dfrac{K_p}{L} s + \dfrac{K_i}{L}}{s^2 + \dfrac{K_p + R}{L} s + \dfrac{K_i}{L}} I^*(s)$ $\rightarrow \dfrac{I(s)}{I^*(s)} = \dfrac{\omega_n^2}{s^2 + \zeta\omega_n s + \omega_n^2}$	$V_{dc}(s) = \dfrac{\dfrac{K_i}{C}}{s^2 + \dfrac{K_p}{C} s + \dfrac{K_i}{C}} V_{dc}^*(s)$ $\rightarrow \dfrac{V_{dc}(s)}{V_{dc}^*(s)} = \dfrac{\omega_n^2}{s^2 + \zeta\omega_n s + \omega_n^2}$