$\dfrac{(s+\alpha)}{[(s+a)(s+b)]}$	$\dfrac{1}{(b-a)}[(\alpha-a)e^{-at}-(\alpha-b)e^{-bt}]$
$\dfrac{1}{[(s+a)(s+b)(s+c)]}$	$\dfrac{e^{-at}}{[(b-a)(c-a)]}+\dfrac{e^{-at}}{[(c-b)(a-b)]}+\dfrac{e^{-ct}}{[(a-c)(b-c)]}$
$\dfrac{(s+\alpha)}{[(s+a)(s+b)(s+c)]}$	$\dfrac{(\alpha-a)}{[(b-a)(c-a)]}e^{-at}+\dfrac{(\alpha-b)}{[(c-b)(a-b)]}e^{-bt}+\dfrac{(\alpha-c)}{[(a-c)(b-c)]}e^{-ct}$
$\dfrac{\omega}{(s^2+\omega^2)}$	$\boldsymbol{sin}\,\omega t$
$\dfrac{s}{(s^2+\omega^2)}$	$\boldsymbol{cos}\,\omega t$
$\dfrac{(s+\alpha)}{(s^2+\omega^2)}$	$\dfrac{\sqrt{(\alpha^2+\omega^2)}}{\omega}\boldsymbol{sin}(\omega t+\phi);\phi=\boldsymbol{tan}^{-1}\dfrac{\omega}{\alpha}$
$\dfrac{[s\,\boldsymbol{sin}\,\theta+\omega\,\boldsymbol{cos}\,\theta]}{(s^2+\omega^2)}$	$\boldsymbol{sin}(\omega t+\theta)$
$\dfrac{1}{[s(s^2+\omega^2)]}$	$\dfrac{1}{\omega^2}(1-\boldsymbol{cos}\,\omega t)$
$\dfrac{(s+\alpha)}{[s(s^2+\omega^2)]}$	$\dfrac{\alpha}{\omega^2}-\dfrac{\sqrt{(\alpha^2+\omega^2)}}{\omega^2}\boldsymbol{cos}(\omega t+\phi);\phi=\boldsymbol{tan}^{-1}\dfrac{\omega}{\alpha}$
$\dfrac{1}{[(s+a)(s^2+\omega^2)]}$	$\dfrac{e^{-at}}{(a^2+\omega^2)}+\dfrac{1}{[\omega\sqrt{(\alpha^2+\omega^2)}]}\boldsymbol{sin}(\omega t-\phi);\phi=\boldsymbol{tan}^{-1}\dfrac{\omega}{\alpha}$
$\dfrac{1}{[(s+a)^2+b^2]}$	$\dfrac{1}{b}e^{-at}\boldsymbol{sin}\,bt$
$\dfrac{1}{[s^2+2\xi\omega_n s+\omega_n^2]}$	$\dfrac{1}{[\omega_n\sqrt{(1-\xi^2)}]}e^{(-\xi\omega t)}\boldsymbol{sin}\,\omega_n\sqrt{(1-\xi^2 t)}$
$\dfrac{(s+a)}{[(s+a)^2+b^2]}$	$e^{-at}\boldsymbol{cos}\,bt$
$\dfrac{(s+\alpha)}{[(s+a)^2+b^2]}$	$\dfrac{\sqrt{((\alpha-a)^2+b^2)}}{b}e^{-at}\boldsymbol{sin}(bt+\Phi);\phi=\boldsymbol{tan}^{-1}\dfrac{b}{(\alpha-a)}$