

	Eigenvalues	$\Psi_i(t)$ Functions
$n = 2$	$\lambda_1 = R + i\Omega$ $\lambda_2 = R - i\Omega$	$\Psi_0(t) = (\cos \Omega t - \frac{R}{\Omega} \sin \Omega t) e^{Rt}$ $\Psi_1(t) = (\frac{1}{\Omega} \sin \Omega t) e^{Rt}$
$n = 3$	$\lambda_1 = \text{real}$ $\lambda_2 = R + i\Omega$ $\lambda_3 = R - i\Omega$	$\Psi_0(t) = \frac{(R^2 + \Omega^2) e^{\lambda_1 t} + \lambda_1 \{ (\lambda_1 - 2R) \cos \Omega t + (R^2 - \lambda_1 R - \Omega^2) \frac{1}{\Omega} \sin \Omega t \} e^{Rt}}{(R - \lambda_1)^2 + \Omega^2}$ $\Psi_1(t) = \frac{-2R e^{\lambda_1 t} + \{ 2R \cos \Omega t - (R^2 - \lambda_1^2 - \Omega^2) \frac{1}{\Omega} \sin \Omega t \} e^{Rt}}{(R - \lambda_1)^2 + \Omega^2}$ $\Psi_2(t) = \frac{e^{\lambda_1 t} - \{ \cos \Omega t - (R - \lambda_1) \frac{1}{\Omega} \sin \Omega t \} e^{Rt}}{(R - \lambda_1)^2 + \Omega^2}$