

System Identification Results

50 chirp (0.1 t)	$\frac{0.3174 s + 2.752}{s + 3.071}$	$\frac{2.22 s + 0.3621}{s^2 + 2.457 s + 0.4206}$
50 chirp (0.2 t)	$\frac{0.2932 s + 2.613}{s + 2.827}$	$\frac{3.012 s + 0.0009654}{s^2 + 3.588 s + 0.0004258}$
50 chirp (0.5 t)	$\frac{0.4289 s + 3.344}{s + 3.736}$	$\frac{0.01295 s + 0.001815}{s^2 + 0.3768 s + 0.0004406}$
50 chirp (0.07 t)	$\frac{0.1689 s + 2.427}{s + 2.719}$	$\frac{2.097 s + 0.09521}{s^2 + 2.206 s + 0.1103}$
50 chirp (0.7 t)	$\frac{0.3176 s + 2.654}{s + 2.743}$	$\frac{2.602 s + 3.857}{s^2 + 13.3 s + 3.852}$
50 sin (0.2 t)	$\frac{0.2823 s + 0.5644}{s + 0.5744}$	$\frac{0.4711 s - 0.001891}{s^2 + 0.4801 s + 0.001184}$
50 sin (0.4 t)	$\frac{0.4011 s + 0.7385}{s + 0.7465}$	$\frac{0.2312 s + 0.007006}{s^2 + 0.2425 s + 0.02924}$
50 sin (0.8 t)	$\frac{0.6534 s + 0.6088}{s + 0.5614}$	$\frac{30.29 s + 0.3364}{s^2 + 30.68 s + 1.049}$
50 sin (1 t)	$\frac{0.6591 s + 0.7351}{s + 0.6494}$	$\frac{0.2927 s + 0.07081}{s^2 + 0.3068 s + 0.2218}$
Merge of all chirps	$\frac{0.3365 s + 2.815}{s + 3.082}$	$\frac{2.621 s + 0.4179}{s^2 + 3.723 s + 0.465}$