

	$m_1 = 4.236 \text{ kg}$				$m_2 = 8.798 \text{ kg}$			
Parameter	f_{1x}	f_{1y}	f_{2x}	f_{2y}	f_{1x}	f_{1y}	f_{2x}	f_{2y}
Res. frequency (Hz)	1864.8	1865.6	315.6	316.4	1359.4	1357.8	210.9	210.9
Spring constant (10^8 N m^{-1})	6.872	6.878	0.197	0.198	6.980	6.963	0.168	0.168
Damping coefficient (kg s^{-1})	144.5	75.5	58.58	57.61	390.16	521.88	1003.04	1026.59