

						Initial momentum			Final Momentum			
m_1 (kg)	m_2 (kg)	v_1,i (m/s)	v_2,i (m/s)	v_1,f (m/s)	v_2,f (m/s)	p_1,i (kg m/s)	p_2,i (kg m/s)	p_tot,i (kg m/s)	p_1,f (kg m/s)	p_2,f (kg m/s)	p_tot,f (kg m/s)	p_tot,f/p_tot,i
0.25	0.25	0.69	0	0.31	0.31	0.1725	0	0.1725	0.0775	0.0775	0.155	0.8985507246
0.5	0.25	0.53	0	0.33	0.33	0.265	0	0.265	0.165	0.0825	0.2475	0.9339622642
0.25	0.5	0.6	0	0.18	0.18	0.15	0	0.15	0.045	0.09	0.135	0.9
						Initial Kinetic Energy			Final Kinetic Energy			
m_1 (kg)	m_2 (kg)	v_1,i (m/s)	v_2,i (m/s)	v_1,f (m/s)	v_2,f (m/s)	K_1,i (J)	K_2,i (J)	K_tot,i (J)	K_1,f (J)	K_2,f (J)	K_tot,f (J)	K_tot,f/K_tot,i
0.25	0.25	0.69	0	0.31	0.31	0.0595125	0	0.0595125	0.0120125	0.0120125	0.024025	0.4036967024
0.5	0.25	0.53	0	0.33	0.33	0.070225	0	0.070225	0.027225	0.0136125	0.0408375	0.5815236739
0.25	0.5	0.6	0	0.18	0.18	0.045	0	0.045	0.00405	0.0081	0.01215	0.27
Comment: For kinetic energy, use the same velocity data as in the momentum case												