

m_1 (kg)	m_2 (kg)	v_i (m/s)	v_f (m/s)	ϵ
.250±.0002	.2555±.0002	.70±.03	.34±.02	0.47
.500±.0002	.2555±.0002	.76±.03	.28±.01	0.40
.250±.0002	.5055±.0002	.50±.03	.36±.01	0.77
.75612±.00002	.2528±.00002	0.25±.02	.165±.02	0.581
.25612±.00002	.7528±.00002	.359±.02	.1±.02	0.104
.25612±.00002	.2528 ±.00002	.305 ±.02	.13±.02	0.361
.7535±.00001	.2582±.00001	.27±	.155±	0.442
.2533±.00001	.7584 ±.00001	.41 ±	.095 ±	0.214
.5034±.00001	.5083 ±.00001	.35±	.165±	0.448
.768±.005	.278±.005	.3±.01	.2±.01	0.605
.518±.005	.528±.005	.38±.01	.2±.01	0.559
.268±.005	.778±.005	.44±.01	.12±.01	0.2903
.5057±.0002	.256 ±.0001	.72 ±.03	.45 ±.03	0.589
.256 ±.0001	.5057±.0002	0.86±.05	.28 ±.05	0.315
.2527±.0001	.2555 ±.0001	.75 ±.05	.36±.05	0.463

Table 1: Thursday Lab Data for Lab # 3 Problem #3

Trial	m_1 (kg)	m_2 (kg)	v_1 (m/s)	v'_1 (m/s)	v'_2 (m/s)	ϵ
1	.2555±.0002	.250±.0002	.33±.02	0±.01	.34±.01	1.04
2	.2555±.0002	.5000±.0002	.28±.01	-.08±.003	.17±.01	.80
3	.5055±.0002	.2500±.0002	.25±.01	.1±.005	.34±.01	1.07
4	.752	.256	.46	.22	.65	.896
5	.252	.256	.38	-.18	.18	.895
6	.252	.256	.51	0	.48	.87
7	.508	.253	.43	.085	.45	.58
8	.253	.508	.67	-.2	.38	.6
9	.253	.256	.59	0	.44	.56
10	.7535	.2582	.37	.175	.46	.753
11	.2533	.7584	.45	-.23	.2	.853
12	.5034	.5083	-.415	0	.35	.718
13	.768	.278	.27	.14	.45	1.275
14	.518	.528	.3	0	.3	1.00
15	.268	.778	.41	-.2	.19	.861

Table 2: Thursday Lab Data for Lab # 3 Problem #4