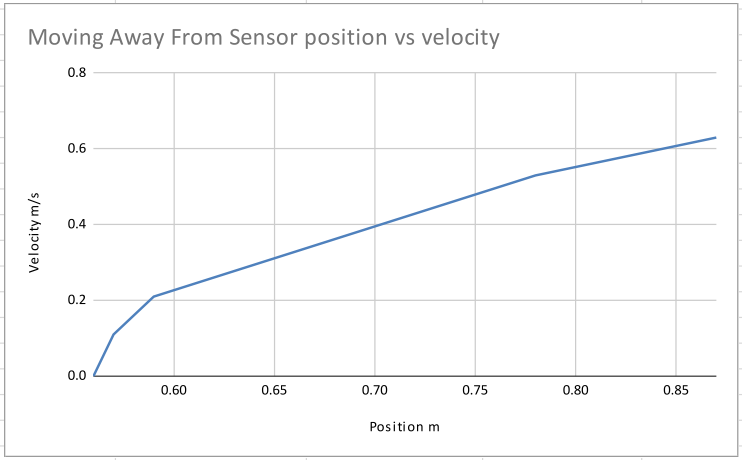
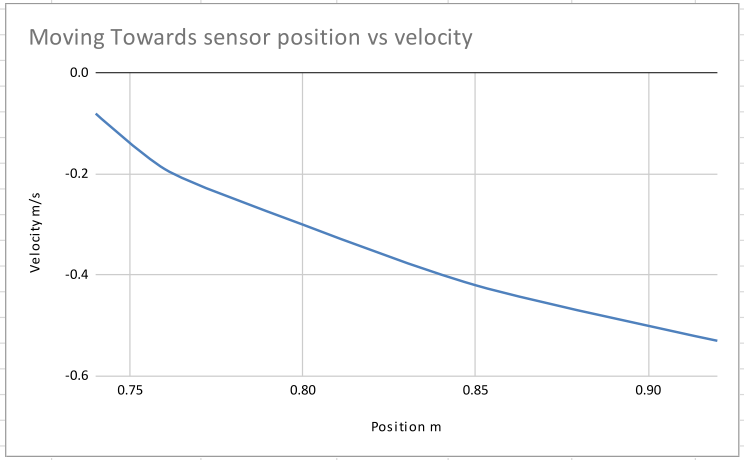
Away from Sensor

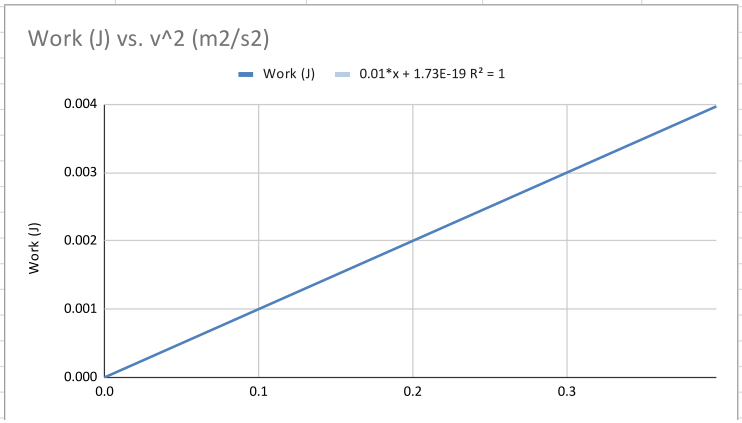
hanging mass (kg)	Position (m)	velocity (m/s)	acceleration (m/s^2)	displacement (m)	Tension (N)	v^2 (m2/s2)	Work (J)					
0.02	0.56	0	0.664	0	0.18272	0	0				0.01	0
0.02	0.57	0.11	0.664	0.01	0.18272	0.0121	0.000121				0	0
0.02	0.59	0.21	0.664	0.03	0.18272	0.0441	0.000441				1	0
0.02	0.78	0.53	0.664	0.22	0.18272	0.2809	0.002809				1.58446E+31	3
0.02	0.87	0.63	0.664	0.31	0.18272	0.3969	0.003969				0.000013077444	0

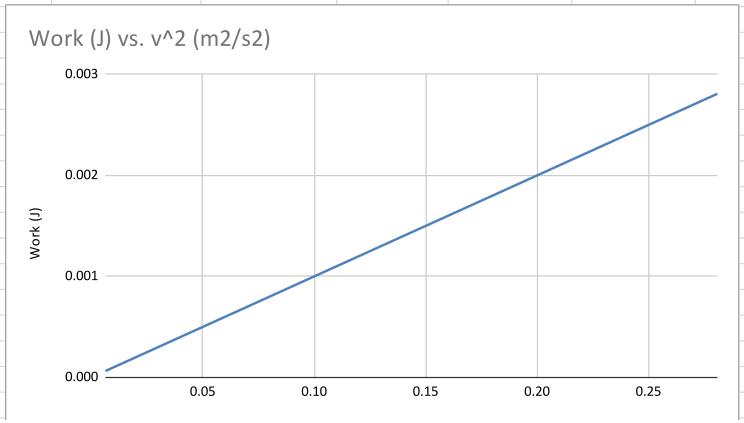
Towards Sensor

hanging mass (kg)	Position (m)	velocity (m/s)	acceleration (m/s^2)	displacement (m)	Tension (N)	v^2 (m2/s2)	Work (J)					
0.02	0.92	-0.53	0.76	0	0.1808	0.2809	0.002809				0.01	0
0.02	0.85	-0.42	0.76	-0.07	0.1808	0.1764	0.001764				0	0
0.02	0.8	-0.3	0.76	-0.12	0.1808	0.09	0.0009				1	0
0.02	0.76	-0.19	0.76	-0.16	0.1808	0.0361	0.000361				4.87108E+31	3
0.02	0.74	-0.08	0.76	-0.18	0.1808	0.0064	0.000064				0.000004989313	0









	v^2 (m2/s2)		v^2 (m2/s2)			