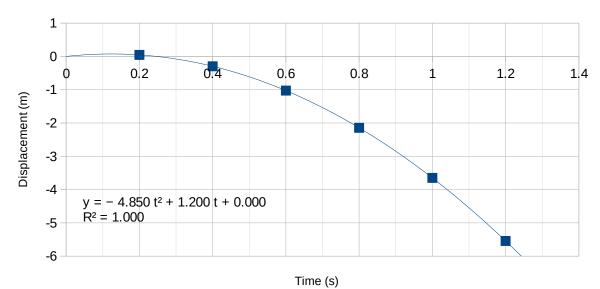
Data Set 1

Time (s)		Position (m)		
	0.2	0.046	Expected g(m/s^s):	-9.81
	0.4	-0.296	½ * g (m/s^2) :	-4.850
	0.6	-1.026	g (m/s^2) :	-9.700
	0.8	-2.144	% difference :	1.12%
	1	-3.65	initial velocity (m/s):	1.200
	1.2	-5.544	Initial direction	Travelling up

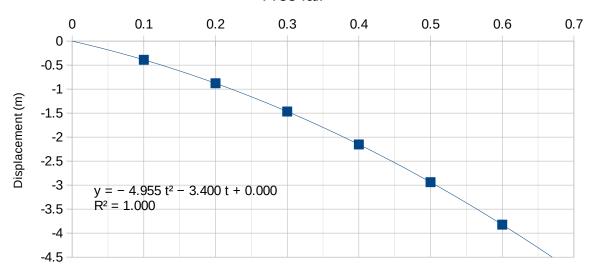
Free fall



Data Set 2

Time (s)		Position (m)		
	0.1	-0.38955	Expected g(m/s^s):	-9.81
	0.2	-0.8782	½ * g (m/s^2) :	-4.955
	0.3	-1.46595	g (m/s^2) :	-9.910
	0.4	-2.1528	% difference :	1.02%
	0.5	-2.93875	Initial velocity (m/s):	-3.400
	0.6	-3.8238	Initial direction	Travelling down

Free fall



Data Set 3

Time (s)	Position (m)		
0.5	1.52875	Expected g(m/s^s):	-9.81
1	0.615	½ * g (m/s^2) :	-4.885
1.5	-2.74125	g (m/s^2) :	-9.770
2	-8.54	% difference :	0.41%
2.5	-16.78125	initial velocity (m/s):	5.500
3	-27.465	Initial direction	Travelling up

Free fall

