

Physics 1570

Linear Motion – Pasco smart cart

Data Point	Position (m)
1	0.1536
2	0.1613
3	0.1690
4	0.1767
5	0.1843
6	0.1921
7	0.1997
8	0.2074
9	0.2151
10	0.2228
11	0.2304
12	0.2380
13	0.2457
14	0.2532
15	0.2608
16	0.2684
17	0.2759
18	0.2835
19	0.2910
20	0.2985
21	0.3062
22	0.3138
23	0.3213
24	0.3290
25	0.3366
26	0.3443
27	0.3518
28	0.3594
29	0.3671
30	0.3746
31	0.3821
32	0.3897
33	0.3973
34	0.4048
35	0.4124
36	0.4199
37	0.4276
38	0.4351
39	0.4426
40	0.4501
41	0.4576
42	0.4650
43	0.4724
44	0.4800
45	0.4874
46	0.4947
47	0.5023
48	0.5097
49	0.5172
50	0.5247
51	0.5321
52	0.5396
53	0.5471
54	0.5545
55	0.5619
56	0.5693
57	0.5767

This data was collected with a frequency of 100 Hz.

The error associated with these measurements is +/- .0001 m.