

Moving Plot Spreadsheet Formulas

Δt	Time	Δs	Distance	Average Velocity	Instantaneous Velocity	Δ velocity	acceleration
seconds	seconds	cm	cm	cm/s	cm/s	cm/s	cm/s ²
0.1	0.1	3.2	3.2	=D3/B3	=C3/A3		
0.1	=B3+A4	4.4	=D3+C4	=D4/B4	=C4/A4	=F4-F3	=G4/A4
0.1	=B4+A5	5.3	=D4+C5	=D5/B5	=C5/A5	=F5-F4	=G5/A5
0.1	=B5+A6	6.2	=D5+C6	=D6/B6	=C6/A6	=F6-F5	=G6/A6
0.1	=B6+A7	6.9	=D6+C7	=D7/B7	=C7/A7	=F7-F6	=G7/A7
0.1	=B7+A8	7.9	=D7+C8	=D8/B8	=C8/A8	=F8-F7	=G8/A8
0.1	=B8+A9	8.6	=D8+C9	=D9/B9	=C9/A9	=F9-F8	=G9/A9
0.1	=B9+A10	9.3	=D9+C10	=D10/B10	=C10/A10	=F10-F9	=G10/A10
0.1	=B10+A11	9.9	=D10+C11	=D11/B11	=C11/A11	=F11-F10	=G11/A11
0.1	=B11+A12	10.6	=D11+C12	=D12/B12	=C12/A12	=F12-F11	=G12/A12
0.1	=B12+A13	10.9	=D12+C13	=D13/B13	=C13/A13	=F13-F12	=G13/A13
0.1	=B13+A14	11.4	=D13+C14	=D14/B14	=C14/A14	=F14-F13	=G14/A14
0.1	=B14+A15	11.7	=D14+C15	=D15/B15	=C15/A15	=F15-F14	=G15/A15
0.1	=B15+A16	11.7	=D15+C16	=D16/B16	=C16/A16	=F16-F15	=G16/A16
0.1	=B16+A17	12.1	=D16+C17	=D17/B17	=C17/A17	=F17-F16	=G17/A17
0.1	=B17+A18	14.3	=D17+C18	=D18/B18	=C18/A18	=F18-F17	=G18/A18
0.1	=B18+A19	12.2	=D18+C19	=D19/B19	=C19/A19	=F19-F18	=G19/A19
0.1	=B19+A20	12.1	=D19+C20	=D20/B20	=C20/A20	=F20-F19	=G20/A20
0.1	=B20+A21	11.9	=D20+C21	=D21/B21	=C21/A21	=F21-F20	=G21/A21
0.1	=B21+A22	11.4	=D21+C22	=D22/B22	=C22/A22	=F22-F21	=G22/A22
0.1	=B22+A23	10.1	=D22+C23	=D23/B23	=C23/A23	=F23-F22	=G23/A23