

Mass= 0.3 kg k= 10 N/m Equilibrium after 0.3kg is placed on the spring -0.294m

	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8	Point 9	Point 10	Point 11	Point 12	Point 13	Point 14	Point 15
KE	0.000	0.007	0.012	0.017	0.020	0.023	0.024	0.025	0.024	0.023	0.020	0.017	0.012	0.007	0.000
Peg	0.000	0.029	0.059	0.088	0.118	0.147	0.176	0.206	0.235	0.265	0.294	0.323	0.353	0.382	0.412
Pee	0.662	0.627	0.592	0.558	0.525	0.493	0.462	0.432	0.403	0.375	0.348	0.323	0.298	0.274	0.251
Etotal	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662	0.662
v	0.000	0.208	0.283	0.332	0.365	0.387	0.400	0.404	0.400	0.387	0.365	0.332	0.283	0.208	0.000
h	0.000	0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100	0.110	0.120	0.130	0.140
x	0.364	0.354	0.344	0.334	0.324	0.314	0.304	0.294	0.284	0.274	0.264	0.254	0.244	0.234	0.224

This is 0.07m more than the equilibrium position of 0.294

Note this is the equilibrium point at it has the heighest velocity!

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