

Spring-Mass Lab

Single Spring	Period (s)	Frequency (Hz)	Amplitude (m)
Mass 1			
Mass 2			

Double Spring (side by side)	Period (s)	Frequency (Hz)	Amplitude (m)
Mass 1			
Mass 2			

Double Spring (tandem)	Period (s)	Frequency (Hz)	Amplitude (m)
Mass 1			
Mass 2			

1. Where in the motion is the speed zero?
2. Where in the motion is the speed the fastest?
3. Did changing the mass change the equilibrium point?
4. How did doubling the spring (two in tandem) change the period compared to the single spring?
5. There are two things that affect the spring's period. What are they?