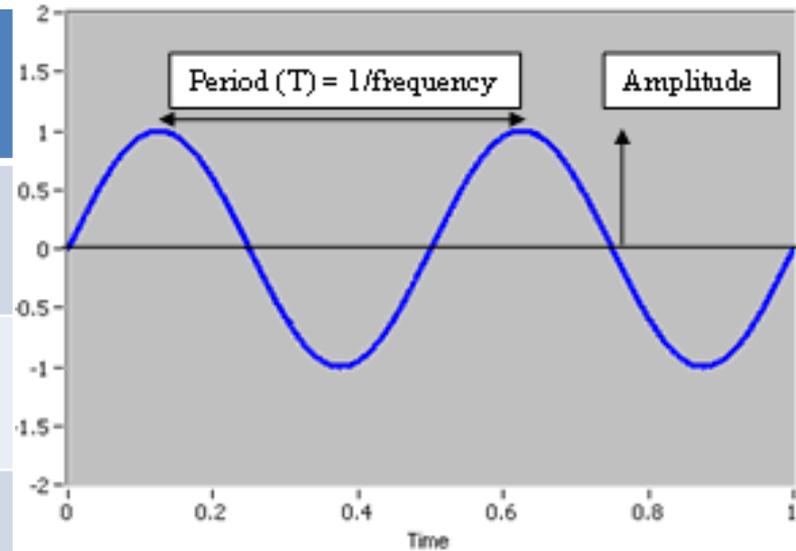


Oscillations

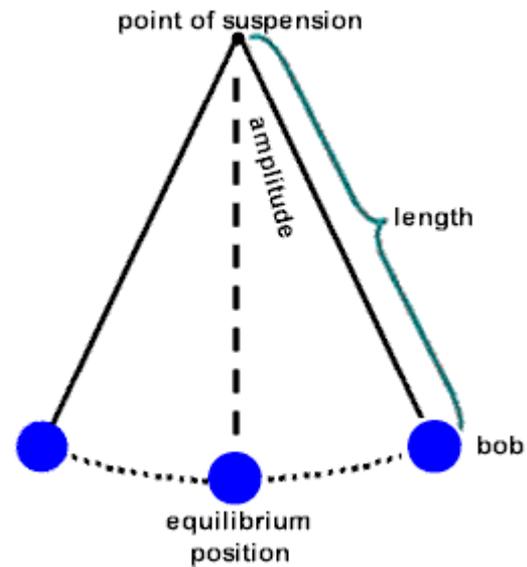
Parameter	Formula	Units
Period	T	s
Frequency	$f=1/T$	1/s=Hz (Hertz)
Amplitude	A	varies



Example: Period of small oscillations of a pendulum

$$T = 2\pi \sqrt{\frac{L}{g}}$$

L is length.



Homework

- a) Design and build a pendulum that has a period $T=1\text{s}$.
- b) Measure this period. Make several measurements, find the average and estimate the error in your experiment.
- c) bring your pendulum to SchoolNova