

CLPhys1 16.P.003. (382295)

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Code

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Oscillator An oscillator consists of a block of mass **0.600** kg connected to a spring. When set into oscillation with amplitude **46.0** cm, the oscillator repeats its motion every **0.550** s.

(a) Find the period.

 s

(b) Find the frequency.

 hz

(c) Find the angular frequency.

 rad/s

(d) Find the spring constant.

 N/m

(e) Find the maximum speed.

 m/s

(f) Find the maximum force exerted on the block from the spring.

 N

Question Details

Name (QID): **CLPhys1 16.P.003. (382295)**Usable/Draft: **Usable**Locked: **Yes**Mode: **Numerical**Author: **WebAssign Staff** (support@webassign.net)Permission: **Copyright****Textbook**

Cummings, Laws, Redish, and Cooney, "Understanding Physics", ed. 1

Chapter

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