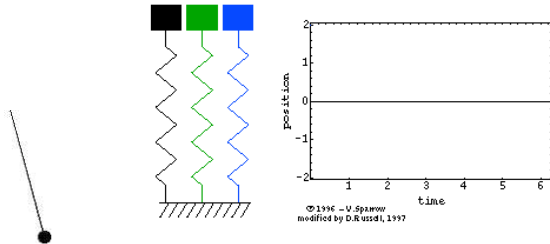
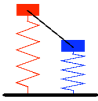


WAVE NOTES 2004 (click on the pictures to step through them online)

How does a spring or pendulum make a wave?



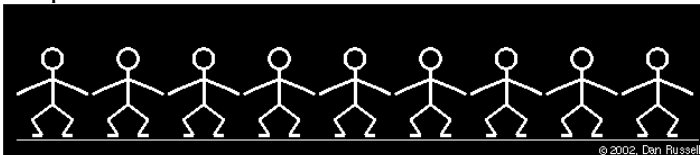
What would happen if two springs were attached together? (coupled harmonic oscillator)



What is moving in a wave? What is a wave?

What are the types of waves?

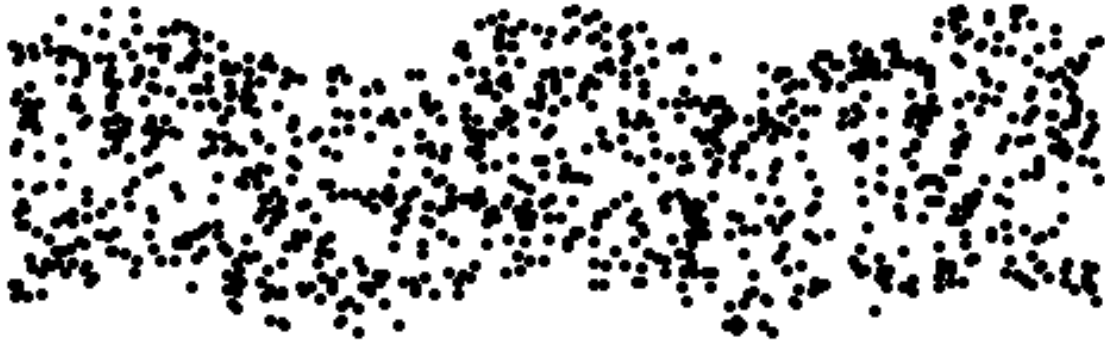
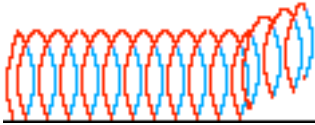
People wave:



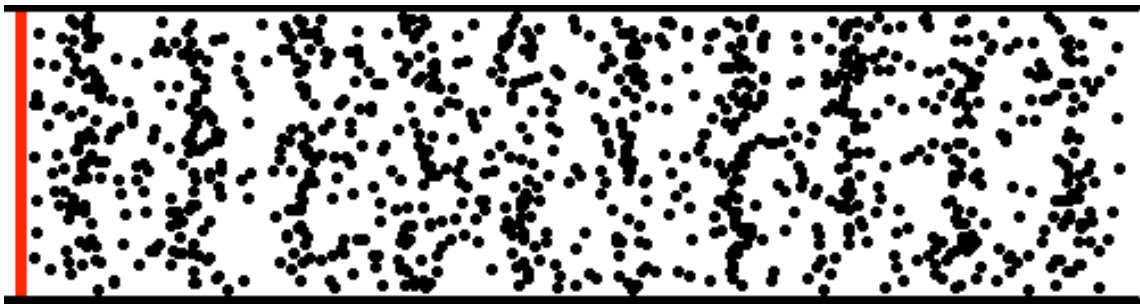
String wave:



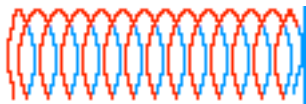
What are the parts of a transverse wave?



What is a longitudinal or compression wave?

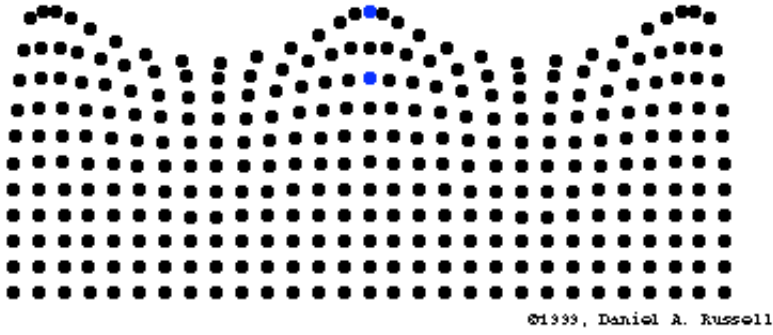


What are the parts of a **c o m p r e s s i o n** longitudinal wave?

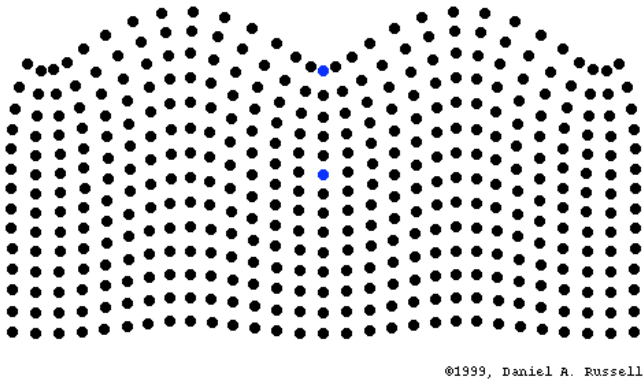


What is a rotational/water wave?





What is a surface (rayleigh) wave?



How can we calculate properties of waves?

AMPLITUDE:

PERIOD:

FREQUENCY:

WAVELENGTH:

VELOCITY: (2 formulas)

PHASE:

IN LAB: How do waves combine?

Fixed/Free Reflection

Refraction

Superposition/Combining Waves

Constructive/Destructive Interference

