

PhET Interactive Simulations: Wave on a String

http://phet.colorado.edu/sims/html/wave-on-a-string/latest/wave-on-a-string_en.html

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Manual Oscillate Pulse Restart

Fixed End Loose End No End

Slow Motion Normal

Amplitude 0.75 cm Frequency 1.50 Hz Damping None Lots Tension Low High

Rulers Timer Reference Line

Wave on a String

PhET

3:05 PM 2/9/2016

The screenshot displays the PhET 'Wave on a String' simulation within a web browser. The browser's address bar shows the URL: http://phet.colorado.edu/sims/html/wave-on-a-string/latest/wave-on-a-string_en.html. The browser's menu bar includes 'File', 'Edit', 'View', 'Favorites', 'Tools', and 'Help'. The address bar also shows several open tabs, including 'Faculty & Staff / Ti...', 'Energy Transport ...', and 'Wave on a Stri...'. The browser's status bar at the bottom shows the time as 3:05 PM on 2/9/2016. The simulation interface itself has a yellow background. At the top, there are two groups of radio buttons: 'Manual', 'Oscillate' (selected), and 'Pulse' on the left; and 'Fixed End', 'Loose End', and 'No End' (selected) on the right. A 'Restart' button is located between these groups. In the center, a wave pulse is shown on a string, with a dashed orange line indicating the equilibrium position. The string is represented by a series of red and green dots. To the right of the string, there is a small window showing a landscape with a sun, clouds, and mountains. Below the string, there are two buttons: 'Slow Motion' and 'Normal' (selected). At the bottom, there is a control panel with four sliders: 'Amplitude' (set to 0.75 cm), 'Frequency' (set to 1.50 Hz), 'Damping' (set to None), and 'Tension' (set to Low). To the right of these sliders are three checkboxes: 'Rulers', 'Timer', and 'Reference Line'. A 'Restart' button is also located at the bottom right of the control panel. The Windows taskbar is visible at the very bottom, showing various application icons and the system clock.