Worksheet for Exploration 17.6: Make a Standing Wave

Find a wave function, \( g(x, t) \), that will produce a standing wave with a node at \( x = 0 \) m, i.e., at the center (position is given in meters and time is given in seconds). You may want to pause the animation before you click-drag the mouse to read position coordinates.

i. Write out the amplitude, wavelength, period, and wavespeed of the wave \( f(x, t) \).