Wave Properties

Practice Your Understanding

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4. Using the Wave Properties simulation, set the amplitude to 22 m, the wavelength to 2.25 m, and both the frequency and phase constant to 0 Hz and 1.571 rad/m respectively. In the outputted function, is the wave moving? What is the height of the wave? What is the wave number of the wave? Is the wave in phase or out of phase? Record your observations and answers in the box below.

and fun	Using the Wave Properties simulation, set the amplitude to -11 m, the wavelength to 3.25 both the frequency and phase constant to 0 Hz and 3.14 rad/m respectively. In the output ction, is the wave moving? What is the height of the wave? What is the wave number of re? Is the wave in phase or out of phase? Record your observations and answers in the box bel	tted the