

Wave Optics

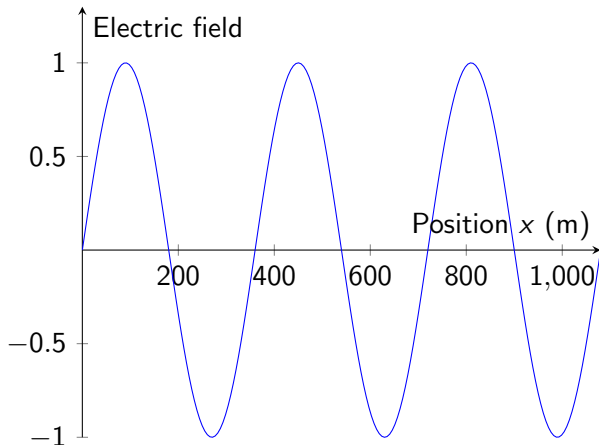
Scott N. Walck

April 28, 2021

A light wave is an electromagnetic wave

Speed of light in vacuum is 3×10^8 m/s.

Electric field oscillates in space and time



Exercise: Find the frequency of a light wave

Red light has a wavelength of 700 nm. What is its frequency?

The electromagnetic spectrum

