

The image displays four distinct wave patterns, each represented by a horizontal line of a different color: red, green, orange, and blue. These lines are stacked vertically and show various types of periodic motion. The red line at the top has the highest frequency and amplitude, with many sharp peaks and valleys. The green line below it has a lower frequency and amplitude, with broader peaks and valleys. The orange line has a frequency and amplitude similar to the green line but with slightly different wave characteristics. The blue line at the bottom has the lowest frequency and amplitude, showing the most gradual oscillations. All four waves appear to be periodic, repeating their pattern over time or space.