

FIGURE 2.7. Spectrum of a string plucked one-fifth of the distance from one end.

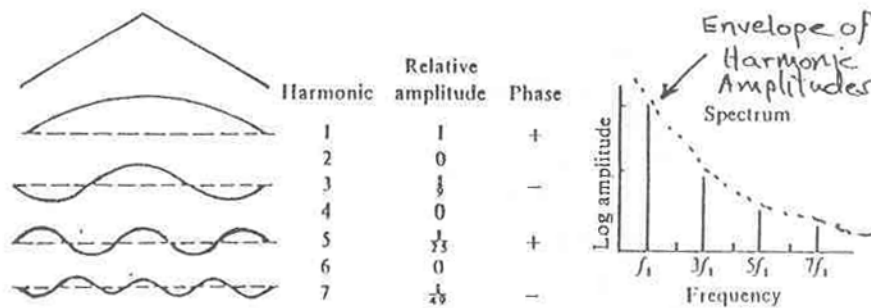


FIGURE 2.5. Frequency analysis of a string plucked at its center. Odd-numbered modes of vibration add up in appropriate amplitude and phase to give the shape of the string.

Please see/hear/touch UIUC Physics 406POM **Guitar.exe** demo – shows/demos the Fourier harmonic amplitudes associated with a guitar string plucked at arbitrary point along its length.... Reconstructs the geometrical shape of the plucked string (@ $t = 0$) from Fourier components...