Standing Waves

Standing waves are created when a wave reflects back on itself with the same frequency, wavelength and speed.	
Key Point:	
Characteristics of Standing Waves:	
From the superposition principle, the destructive be predicted.	and constructive regions of interference can
Points of completely destructive interference =	
Points of completely constructive interference =	
Standing Waves on a String: (fixed at both ends)	
3rd Harmonic (3 rd Vibrational Moment)	
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Distance	between Nodes is:
Distance	between Antinodes is:

Web sites:

http://www.walter-fendt.de/ph14e/stwaverefl.htm

http://webphysics.davidson.edu/Applets/Examples From Others/super1.htm