

Exercise 10. Standing Waves

M_1 _____ L _____ m_{can} _____

Table 10.1 Higher Harmonics

Added mass _____ T _____

n	Measured frequency (Hz)	Calculated frequency (Hz)	% difference
1			
2			
3			
4			

Table 10.2 Relation Between Frequency and Tension

Harmonic $n =$ _____

m (kg)	Tension (N)	f (Hz)	f^2 (Hz ²)
1.0			
2.0			
3.0			
4.0			

Slope = _____

Intercept = _____