

PHY 123 EXPERIMENT 8 Standing Waves - Worksheet

Part I

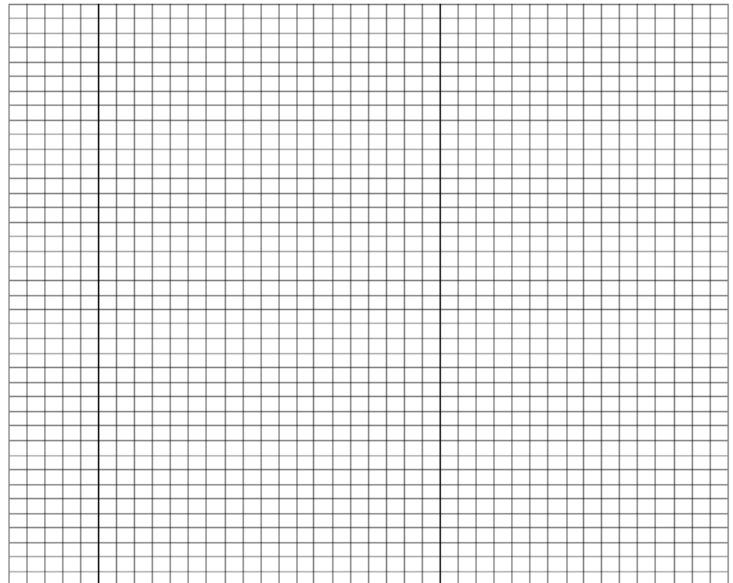
	m [kg]	M [kg]	L' [m]	T [N]	μ [kg/m]	v [m/s]
Value						
Error						

Part II

L: _____ +/- _____ [m]

Standing wave pattern:

n	T [s]	f_n [s^{-1}]
1		
2		
3		
4		
5		
6		
7		



k: _____ +/- _____ []

v: _____ +/- _____ []

Are your two values for v consistent? _____

Part III

	m [kg]	L' [m]	μ [kg/m]
Value			
Error			

M [kg]	f_3 [s ⁻¹]	f_3^2 [s ⁻²]

k: _____ +/- _____ []

g: _____ +/- _____ []