Homework 4 Corrections

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Problem 1

The initial F_0 term is not a for but an amplitude A. In part be when we are asked to find the equation of motion which is

$$m\ddot{x} + k(x - l) = Aksin(\Omega t + \phi),$$

we find that the force term F_0 is actually Ak. This make sense because the driving force is dependent on the amplitude and the spring.

Problem 2

2c.

Must have dropped the *sin* term in latex. I need to be careful when I transfer my work from scratch work to latex.