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0 (a) (b) (c) = s 0 + d = 0 + d m x m The unextended  
length of each spring is , as shown in (a). In order to attach  
the mass m, each

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nonlinear di erential equation that describes a simple  
harmonic oscillator with an additional correction to its  
potential energy function. This type of oscillator is often  
known as an anharmonic oscillator. How do we solve for  
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#### **General Information - Imath.kiev.ua**

The international mathematical journal *Nelineini Kolyvannya* (Ukrainian for "Nonlinear Oscillations"), ISSN 1562-3076, had been founded in 1998. It is issued by the Institute of Mathematics of the National Academy of Sciences of Ukraine. The journal is indexed in MathSciNet.

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