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$v = \sqrt{\frac{T}{\rho}}$  where the constant coefficient  $A^2$  is given by the formula  $A^2 = T / \rho$ , such that  $A =$  horizontal propagation speed (also known as phase velocity) of the wave motion,  $T =$  force of tension exerted on the string,  $\rho =$  mass density (mass per unit length). It is subjected to the homogeneous boundary conditions  $U(0, T) = 0$ , and  $U(L, T) = 0$ ,  $T > 0$ . 3th, 2024

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Graduate Studies In Mathematics Volume 123.  
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Martin Scharlemann Gigliola Staffilani 2010  
Mathematics Subject Classification. Primary 35J25,  
35L40, 35K30, 35L05, 35L30, 8th, 2024

## **Basic Partial Differential Equations, 1996, 735 Pages ...**

Ordinary Differential Equations , Morris Tenenbaum,  
Harry Pollard, Apr 24, 2012, Mathematics, 818 Pages.  
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