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Finite Difference Approximation Derivative At A Point  $T \pm \Delta t$  Based On The Value Of Points In The Neighborhood Of  $T \pm \Delta t$  Approximate Analytical Expression Analytical Expression That Can Be Easily Differentiated Feb 2th, 2024.

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 4.5 Solving Ordinary Differential Equations  
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 5. Univariate Nonlinear Equations  
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 Proof. We Easily Deduce From The Triangle Inequality That  $\|x - y\| \leq \|x - z\| + \|z - y\|$ . Therefore  $\|x - y\| \leq \|x - z\| + \|z - y\|$ .  
 Where  $M = \max_{j \in \{1, \dots, n\}} \|x_j - y_j\|$ .  
 Theorem 1.2. Let There Be Given A Normed Vector Space  $X$  And A Finite Dimensional Vector Subspace  $P$ . Then For Any  $f \in X$  there Exists  $p \in P$  Minimizing  $\|f - p\|$ . Proof. Let  $F$   
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