

{youtube}7-nZBAp1xvI{/youtube}

**Approximations of the first and second derivatives using divided difference formula, the error analysis thereof using Taylor series approximations, the approximation of a linear ordinary differential equation by a finite difference approximation, approximating the solution to a boundary-value problem using a finite difference equation to create a system of  $n - 2$  linear equations in  $n - 2$  unknowns**

□□□□ : <https://youtu.be/7-nZBAp1xvI>

# Partial Differential Equations : Boundary-value Problems and Finite-difference Equations

Written by pornrat

Friday, 28 October 2016 10:16 -

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□□□□□ : <https://youtu.be/7-nZBAp1xvI>

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