

Midterm Topics

1. First Order Equations (with initial condition)
 - a. Integrating factor
 - b. Separation
 - c. Exactness
 - d. Homogeneous of Degree
 - e. Bernoulli Equations

2. Second Order Equations (with initial conditions)
 - a. Reduction of Order
 - b. Homogeneous w/Constant Coefficients
 - c. Constant Coefficient using Undetermined Coefficients/Annihilators
 - d. Variation of Parameters
 - e. Euler-Cauchy Equations