## MATH 201 - 800 lab 5

Friday, October 8, 2021 11:32 AM

- Reduction of Order - Mechanical Vibrations

Suppose we have an ODE of the form  

$$y''_{w'} = F(x,y')$$
.  
Set  $w = y' = w' = y''$   
 $Eg^{2}$  can be written:  $w' = F(x,w)$ 

2. 
$$\begin{split} & \begin{array}{c} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{$$

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