Jerry Olds

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IE-4378-001

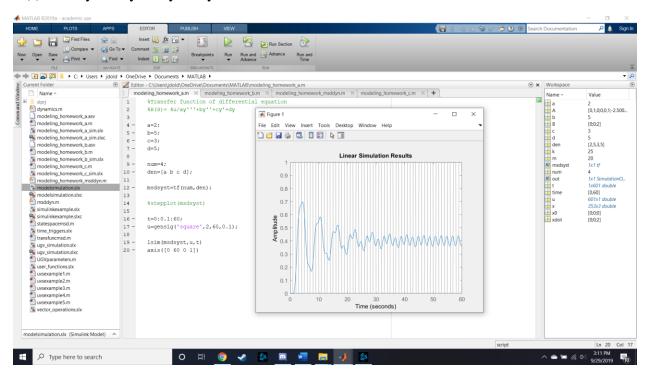
9/30/2019

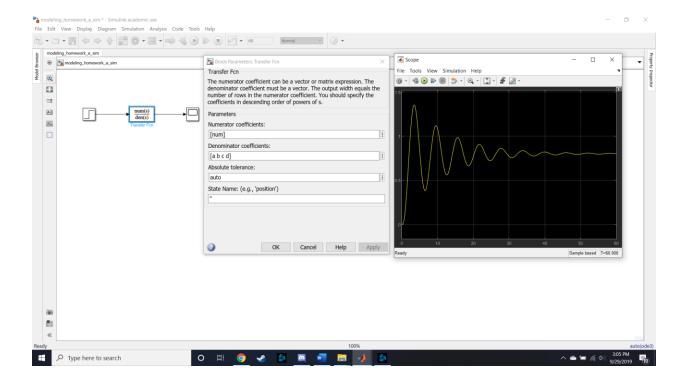
Modeling Homework

* May have to zoom to see code and graphs

a)

$$H(s) = 4/2ay''' + 5by'' + 3cy' + 5dy$$





b)
$$x_1 = y$$

$$x_2 = x_1' = y'$$

$$x_3 = x_2' = y''$$

$$2y''' + 5x_3 + 3x_2 + 5x_1 = 4u$$

$$y''' = x_3' = -5/2x_3 - 3/2x_2 - 5/2x_1 + 4/2u$$

