## PHY 321, APRIL7, 2023

6 Mo = 471 (AK)/2

 $\frac{dx}{dt} = v_X \wedge \frac{dy}{dt} = v_y$ 

metude Japiter MJ = 1.9.10<sup>77</sup> kg

Need Force between Earth

FEJX = -GMJME XEJ VET

$$x_{EJ} = x_{E} - x_{J}$$

$$n_{EJ} = \sqrt{(x_{E} - x_{J})^{2} + (y_{E} - x_{J})^{2}}$$

$$F_{EJ}y = -\frac{6M_{J}M_{E}}{n_{EJ}^{2}}$$

$$y_{EJ} = y_{E} - y_{J}$$

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$$y_{EX} = \frac{7cne}{n_{EX}} con \frac{2nnth}{n_{EX}}$$

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$$y_{EJ} = y_{EJ}$$

$$y_{EJ} = y_{E$$