

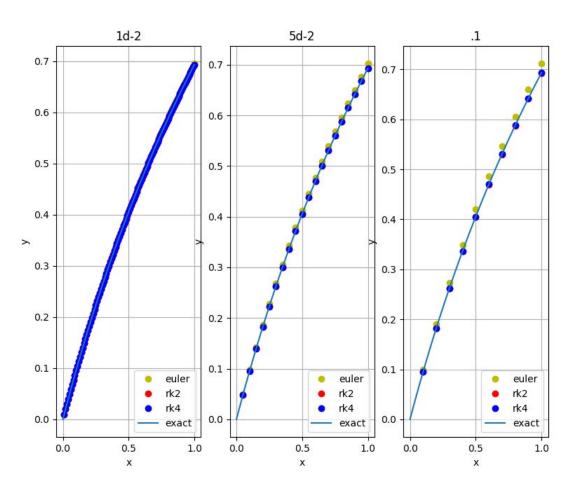


## **Differential Equation**

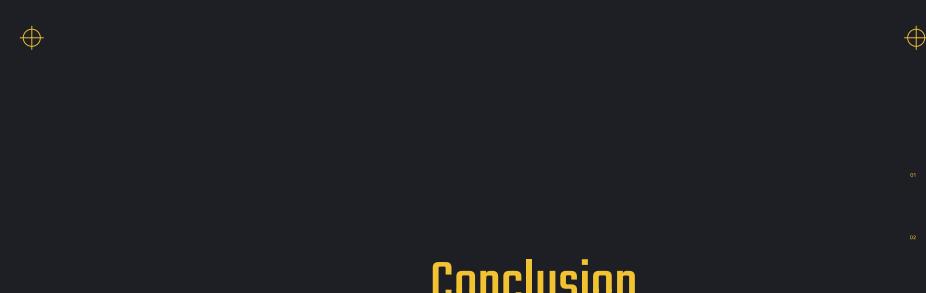
$$\frac{dy}{dx} - \exp(-y) = 0$$

$$\frac{dy}{dx} = e^{-\frac{1}{2}} = 0 \Rightarrow \frac{dy}{e^{-\frac{1}{2}}} = dx$$

$$e^{\frac{1}{2}} = x + C$$

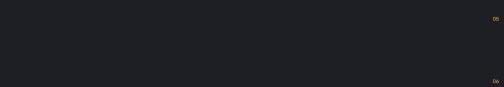






## **Conclusion**

It converges very well even at .1









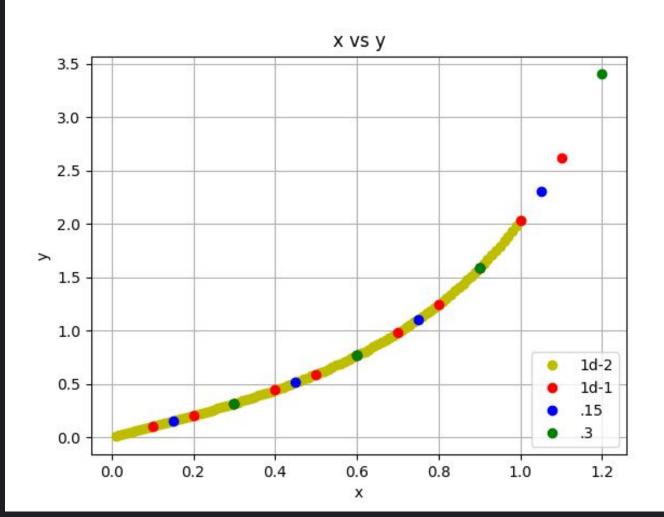


02.

$$\frac{dy}{dx} - 1 - 2 \cdot x \cdot y = 0$$

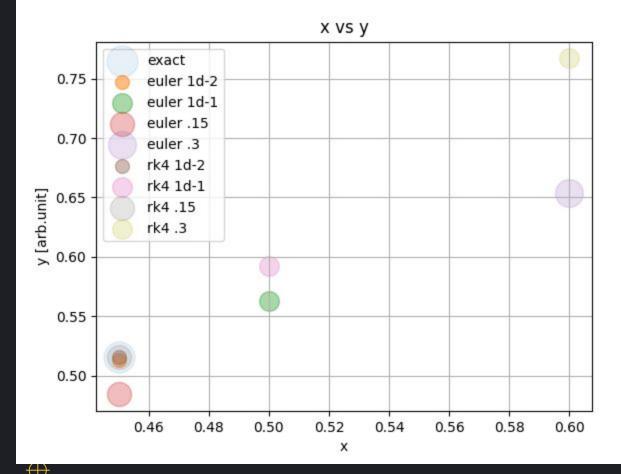
04

 $\oplus$ 



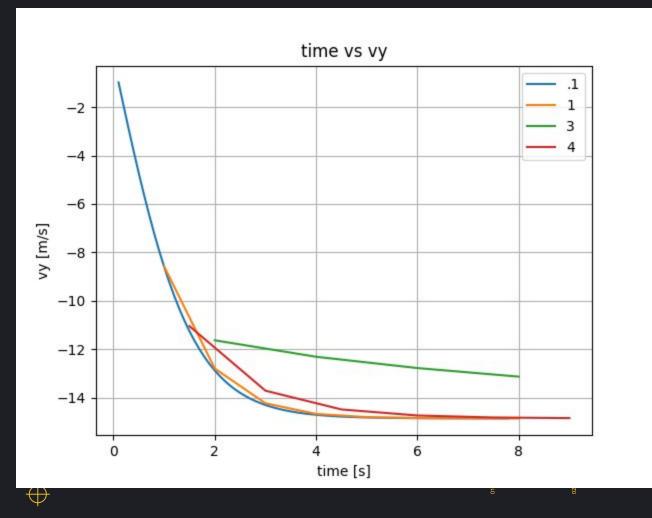




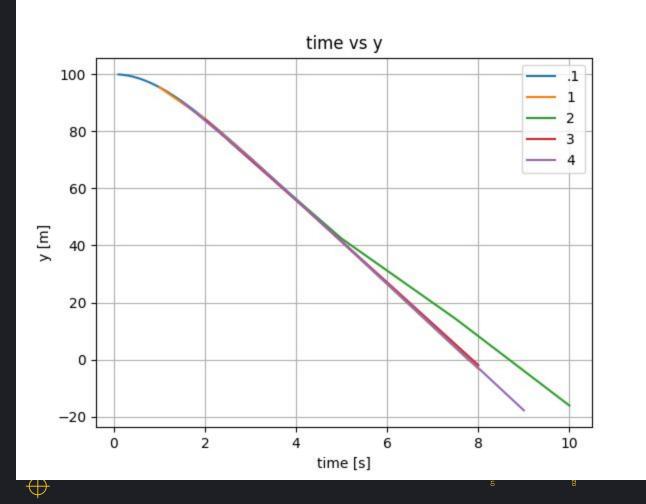






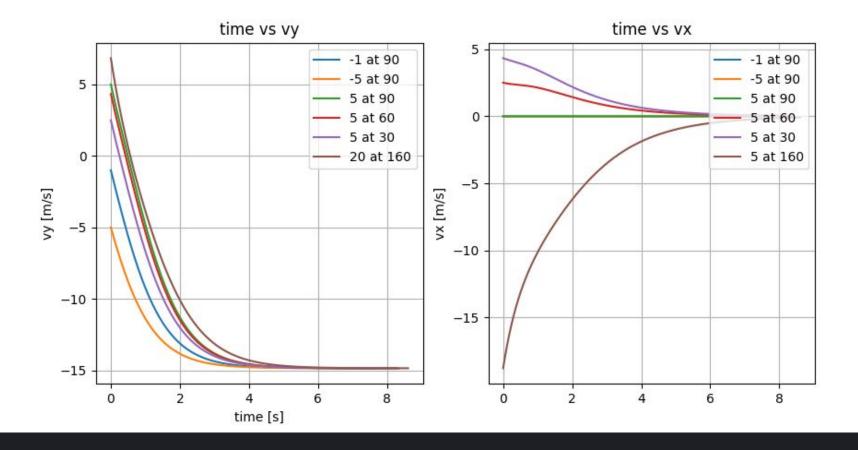




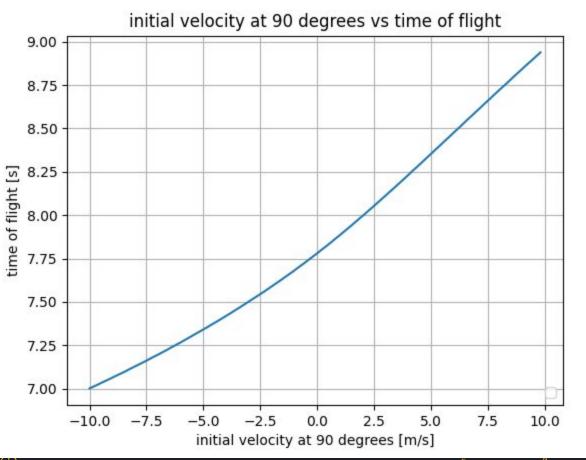




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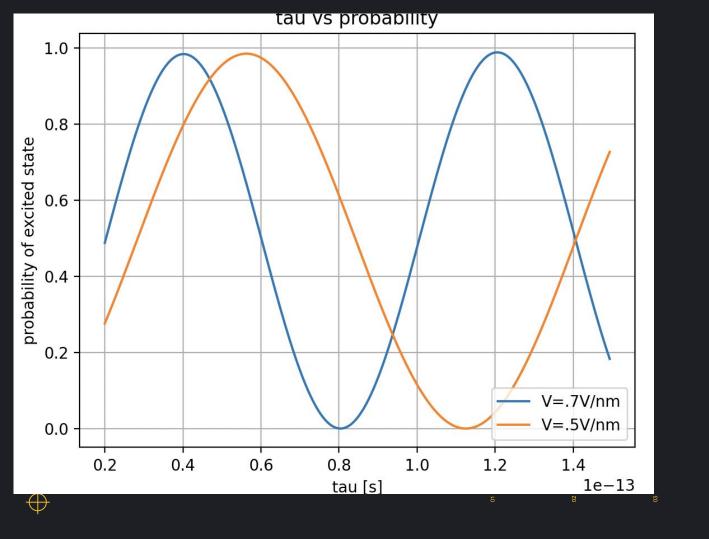


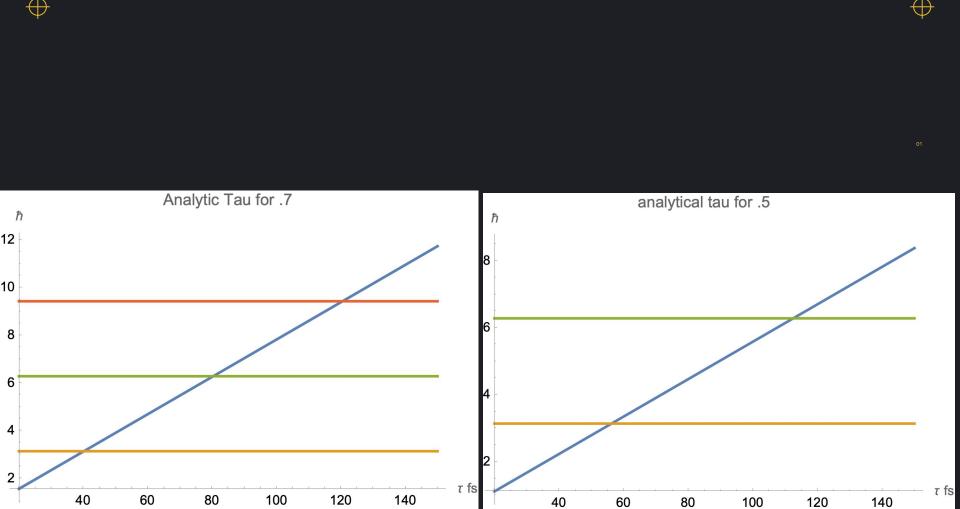
Varying Tau

















## 05 Unknown









