Thursday, March 3, 2022

11:27 PM

$$\frac{du}{dt} = u^4 \quad t \in [0,10]$$

$$\frac{u(x)}{dx} = 1$$

$$\frac{u(x)}{u(x)} = 1$$

$$\frac{du}{dt} = 1$$

$$\int \frac{du}{dt} dt = \int 1 dx$$

$$\int \frac{du}{u} dt = \int 1 dx$$

$$\frac{du}{dt} = u^{4}$$

$$\frac{du}{dt} = 1$$

$$\frac{du}{dt$$