

$$\frac{dv}{dt} = g - \frac{K}{m}v^{2}$$

$$\frac{dv}{dt} = \int \frac{dv}{dt} = \int \frac{dv}{(\frac{mn}{k} - v)(\frac{mn}{k} + v)} dt$$

$$\int \frac{dv}{k} (\frac{mn}{k} - v^{2}) dt$$

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$$\frac{1}{(\sqrt{m_0} + v)(\sqrt{m_0} - v)} = \frac{A}{(m_0} + v)$$

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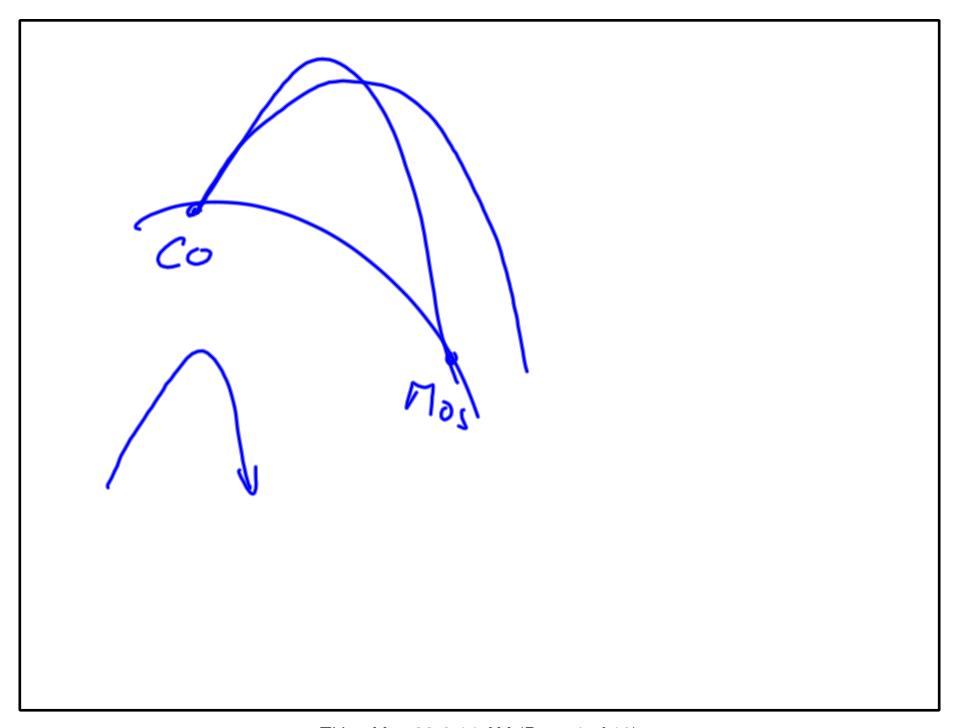
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$$J(x) = s \ln h(x) = e^{\frac{x}{2}} - e^{-\frac{x}{2}}$$

$$J(x) = s \ln h(x) = e^{\frac{x}{2}} + e^{-\frac{x}{2}}$$

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$$J(x) = s \ln h(x)$$

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$$\int h(x) dx = \int \frac{e^{x} - e^{-x}}{e^{x} + e^{-x}} dx$$

$$= \int h \left| e^{x} + e^{-x} \right| + A \left( \int h - e^{x} + e^{-x} dx \right) dx$$

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$$\frac{dy}{dt} = \sqrt{\frac{k}{k}} \frac{dy}{dt} + \sqrt{\frac{k}{m}} \frac{dy}{dt} + \sqrt{\frac{k}{m$$

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