$$|\nabla(t) = \chi'(t)| = \lim_{\Delta t \to \infty} \frac{\chi(t + \Delta t) - \chi(t)}{\Delta t} = \lim_{\Delta t \to \infty} \frac{\Delta \chi}{\Delta t} = \lim_{\Delta t \to \infty} \frac{\chi(t)}{\Delta t}$$

Moto retrieve uniforme (N = contents)

$$x(t) = x_0 + \int_{t_0}^{t} x \, dt = x_0 + \sqrt{t - t_0}$$

$$t_0 = 0 \implies [x(t) = x_0 + \sqrt{t}]$$

$$\sqrt[3]{m} = \frac{\Delta x}{\Delta t} = \frac{x_2 - x_1}{t_2 - t_1}$$

$$x_2 - x_1 = \int_{t_1}^{t_2} \sqrt{t} \, dt$$

$$\implies \sqrt[3]{m} = \frac{1}{t_2 - t_1} \int_{t_1}^{t_2} \sqrt{t} \, dt$$

$$\implies \sqrt[3]{m} = \frac{1}{t_2 - t_1} \int_{t_1}^{t_2} \sqrt{t} \, dt$$

$$\implies \sqrt[3]{t_1 + t_2} \int_{t_1}^{t_2} \sqrt{t} \, dt$$

