

Problem 2

Friday, November 1, 2024

12:39 PM

a) For 1 day

$$\Delta t = \frac{1}{250}$$

$$\sigma = \frac{0,18}{\sqrt{250}} \approx 1,13\%$$

b) For 1 week

$$\Delta t = \frac{1}{52}$$

$$\sigma = \frac{0,18}{\sqrt{52}} = 2,50\%$$

c) $\Delta t = \frac{1}{12}$

$$\sigma = \frac{0,18}{\sqrt{12}} = 5,20\%$$