

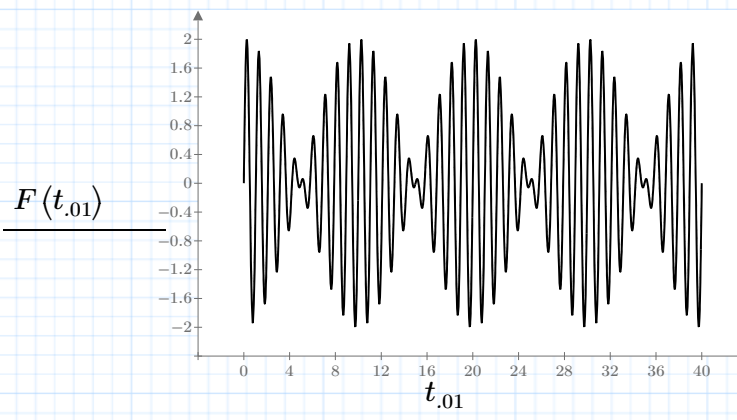
Beat Frequency and Aliasing

$$T := 1 \qquad a := 2 \cdot \frac{\pi}{T} \qquad b := 0.9 \cdot a$$

$$F(t) := \sin(a \cdot t) + \sin(b \cdot t)$$

non-aliased signal

$$\Delta t := 0.01 \qquad t_{.01} := 0, \Delta t .. 40$$



aliased signal

$$\Delta t := 0.75 \qquad N := \text{round}\left(\frac{40}{\Delta t}\right) \qquad i := 0 .. N \qquad t_{.75_i} := i \cdot \Delta t$$

