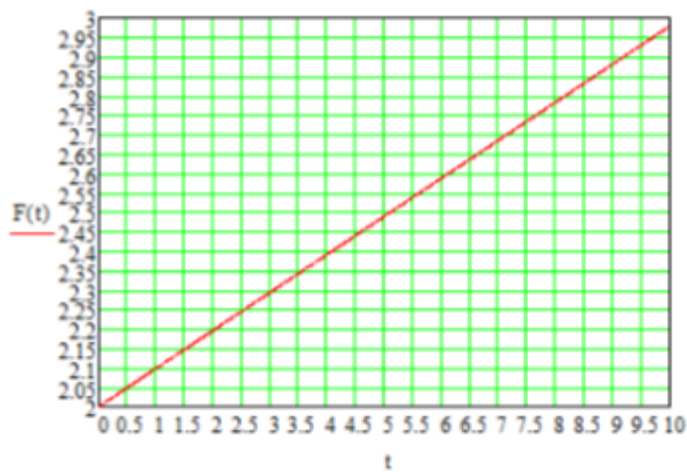


$$F(t) := 2 + 2t - 2 \cos\left(\frac{\pi}{10}\right)t$$

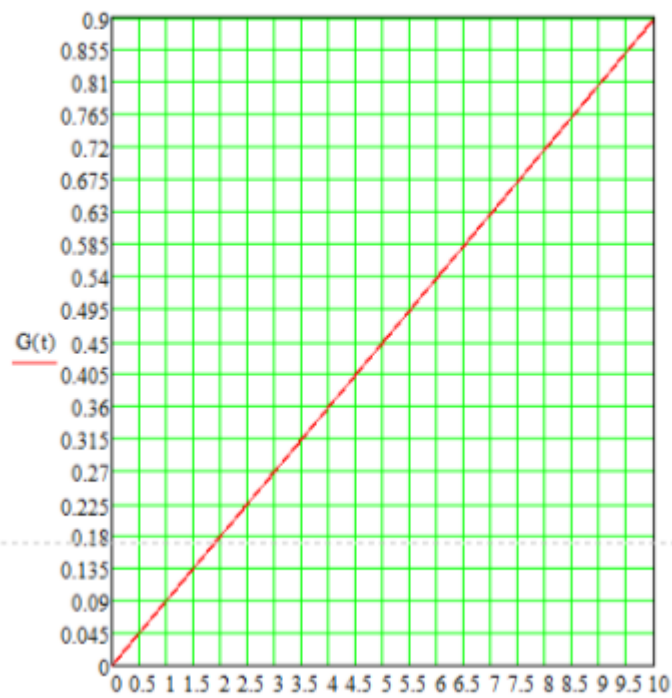
$$G(t) := 2 \sin\left(\frac{\pi}{70}\right)t$$

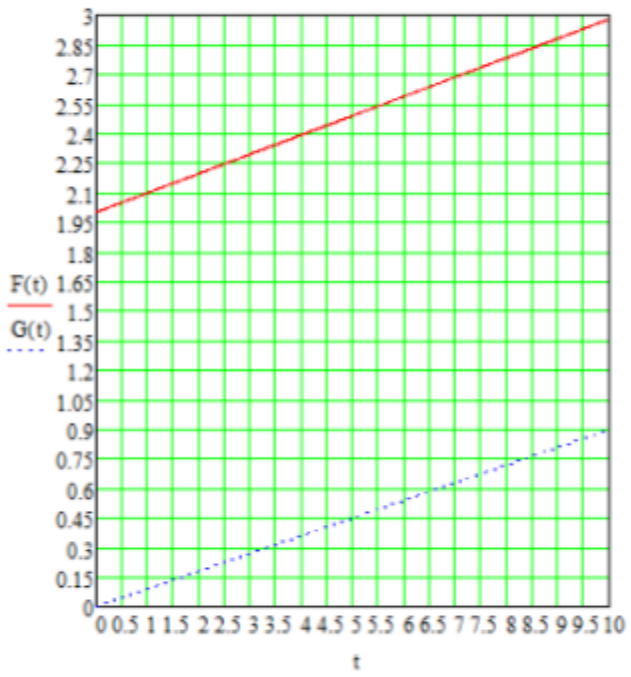
$$0 \leq t \leq 10$$

4d



4d





$$A := \begin{pmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 3 & 1 \end{pmatrix}$$

$$B := \begin{pmatrix} 10 \\ 8 \\ 3 \\ -7 \end{pmatrix}$$

$$C := A^{-1} \cdot B$$

$$C = \begin{pmatrix} -1 \\ 2 \\ -3 \\ 4 \end{pmatrix}$$

$$D := 273 + C$$

$$D = \begin{pmatrix} 272 \\ 275 \\ 270 \\ 277 \end{pmatrix}$$