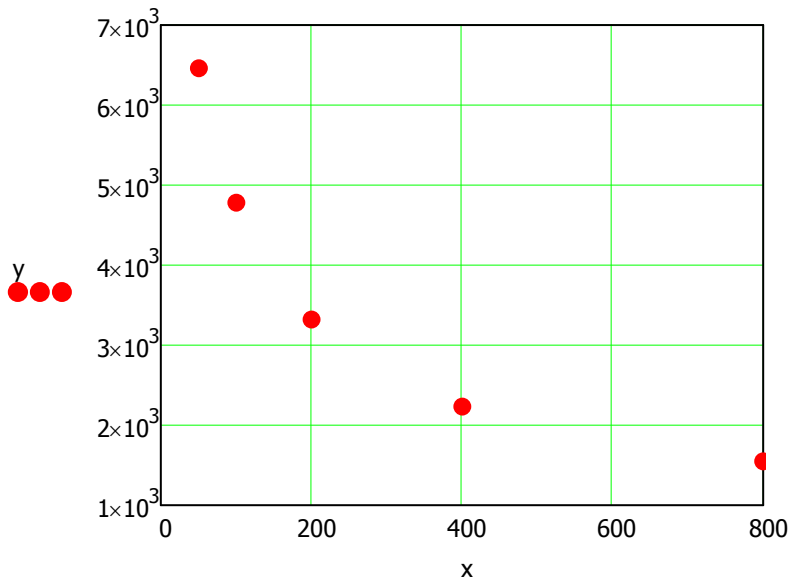


ORIGIN := 1

$$x := \begin{pmatrix} 50 \\ 100 \\ 200 \\ 400 \\ 800 \end{pmatrix} \quad y := \begin{pmatrix} 6464 \\ 4786 \\ 3324 \\ 2235 \\ 1553 \end{pmatrix}$$



$$\text{guess} := \begin{pmatrix} 1 \\ 1 \\ 1 \\ 1 \end{pmatrix}$$

$$f(z, A) := \frac{A_1 + A_2 \cdot z}{1 + A_3 \cdot z + A_4 \cdot z^2}$$

$$A := \text{genfit}(x, y, \text{guess}, f)$$

$$A = \begin{pmatrix} 1.0582994886 \times 10^4 \\ 14.1904834795 \\ 0.0148496696 \\ 1.9673510503 \times 10^{-6} \end{pmatrix}$$

$$F(z) := f(z, A)$$

$$z := 0, 0.01 \dots \max(x) + \min(x)$$

