

$$C(t) = 2^{(At^2 + 2018)^{-1}} / \log_2$$

$$\log_2 C(t) = \frac{1}{At^2 + 2018} \quad \cancel{\log_2} \quad \cancel{At^2 + 2018}$$

$$At^2 + 2018 = \frac{1}{\log_2 C(t)}$$

$$\|f - y\| = \sqrt{\sum_{k=0}^N (f(t_k) - y(t_k))^2} = \sqrt{\sum_{k=0}^N (f(t_k) - At_k^2 - 2018)^2}$$

$E(A)$ - FUNKCIJA BŁĘDŹ

MINIMUM W PUNKCIE $E'(x_0) = 0$ (FUNKCIJA ≥ 0)

$$E'(A) = 2 \sum_{k=0}^N (f(t_k) - At_k^2 - 2018) \cdot (-t_k^2) = 0 \quad / : (-2)$$

$$\sum_{k=0}^N f(t_k) t_k^2 - \sum_{k=0}^N A t_k^4 - \sum_{k=0}^N 2018 t_k^2 = 0$$

$$\sum_{k=0}^N A t_k^4 = \sum_{k=0}^N (f(t_k) - 2018) \cdot t_k^2$$

$$A \cdot \sum_{k=0}^N t_k^4 = \sum_{k=0}^N (f(t_k) - 2018) \cdot t_k^2 \quad / : \sum_{k=0}^N t_k^4$$

$$A = \frac{\sum_{k=0}^N (f(t_k) - 2018) \cdot t_k^2}{\sum_{k=0}^N t_k^4}$$