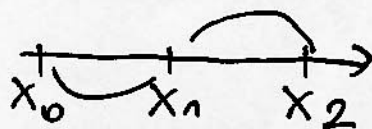


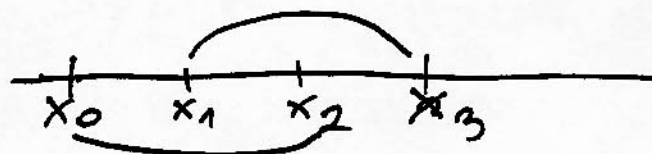
Wówczas różnicowy 2go stopnia:

$$f[x_0, x_1, x_2] = \frac{f[x_1, x_2] - f[x_0, x_1]}{x_2 - x_0}$$



... 3go stopnia:

$$f[x_0, x_1, x_2, x_3] = \frac{f[x_1, x_2, x_3] - f[x_0, x_1, x_2]}{x_3 - x_0}$$



... n-go stopnia

$$f[x_0, \dots, x_n] = \frac{f[x_1, \dots, x_n] - f[x_0, \dots, x_{n-1}]}{x_n - x_0}$$

$$\exists x_0 \leq c \leq x_n$$

$$f[x_0, \dots, x_n] = \frac{1}{n!} f^{(n)}(c)$$

$$n=2$$

$$\exists c \quad f[x_0, x_1, x_2] = \frac{1}{2} f''(c)$$

$$x_0 \leq c \leq x_2$$