

2. b) a) $L_m(x) = f(x)$ ~~mo~~ \leftarrow jednoznačnosti interpolaci

b) $L_2 = y_2 \cdot \lambda_2(x) + y_1 \cdot \lambda_1(x) + y_0 \cdot \lambda_0(x)$

x_k	-1	0	1
y_k	-2369	1791	2741

$$\lambda_2(x) = \frac{(x+1)x}{2 \cdot 1} = \frac{-x - x^2}{2}$$

$$\lambda_1(x) = \frac{(x-1)(x+1)}{1} = x^2 - 1$$

$$\lambda_0(x) = \frac{(x-1)x}{2} = \frac{x^2 - x}{2}$$

$$L_2(x) = 2741 \frac{x^2 - x}{2} + 1791 x^2 - 1791 + 2369 \frac{x^2 - x}{2}$$