Wednesday, March 17, 2021 7:42 AM

Unhe sa podejeure za duadre. ret.

$$X_{i}-x_{i-1}=R, \quad y_{i}-y_{i-1}=R \quad \text{eluidistantua}$$

$$\Delta^{i+0}f(\alpha i, y_{i})=f(\alpha i, y_{i})-f(\alpha i, y_{i}) \qquad f(\alpha i, y_{i})$$

$$\Delta^{o+1}f(\alpha i, y_{i})=f(\alpha i, y_{i})-f(\alpha i, y_{i}) \qquad f_{i,i}$$

$$\Delta^{o+1}f(\alpha i, y_{i})=\Delta^{o+1}(\Delta^{o+1}f_{i,j})=\Delta^{o+1}(f_{i-1}, y_{i})-f_{i,j}$$

$$=\Delta^{o+1}f_{i-1}, \quad \Delta^{o+1}f_{i,j}-f_{i-1}, \quad \Delta^{o+1}f_{i,j}$$

$$=f_{i-1}x_{i}-f_{i-1}x_{i}-f_{i-1}x_{i}+f_{i,j}$$

$$=f_{i-1}x_{i}-f_{i-1}x_{i}-f_{i-1}x_{i}+f_{i,j}$$

$$=f_{i-1}x_{i}-f_{i-1}x_{i}-f_{i-1}x_{i}+f_{i,j}$$

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$$=f_{i-1}x_{i}-f_{i-1}x_{i}-f_{i-1}x_{i}+f_{i,j}$$

$$=f_{i-1}x_{i}-f_{i-1}x_{i}-f_{i-1}x_{i}-f_{i-1}x_{i}+f_{i,j}$$

$$=f_{i-1}x_{i}-$$

9.28 AM

$$f[x_0, x_1; y_0] = \frac{1}{R^2 \cdot 1!} \cdot \Delta foo$$

$$f[x_0, x_1; x_2; y_0] = \frac{1}{R^2 \cdot 2!} \cdot \Delta^{2ro} foo$$

$$f[x_0, x_1; y_0, y_1] = \frac{1}{R^2 \cdot 2!} \cdot \Delta^{2ro} foo$$

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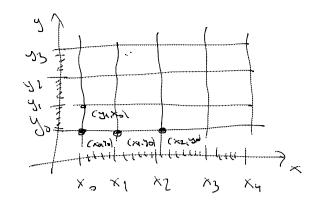
$$f[x_0, y_1] = \frac{1}{R^2 \cdot 2!} \cdot \Delta^{2ro} foo$$

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NNth sa konacum Razukama

\*\* Data je fio fraj forzw: 
$$\frac{3 \times 0.2}{3 \times 0.2} = \frac{5.5}{0.5} = \frac{5.8}{0.89} = \frac{5.5}{0.413} = \frac{5.5}{0.413}$$

+ 10.13 (0.13-1). (-0.009) = 0.186



## APROKSI MACIDA

Wednesday, March 17, 2021 10:42 AM

MajGolja aprox u Banaharon prostoru (liv. norm.)

$$Q_{0} = \sum_{i=1}^{n} c_{i} g_{i}, \quad E_{N}(f) = ||f - Q_{0}|| = ||f - \sum_{i=1}^{n} c_{i} g_{i}||$$
element workste aprox. =  $||f| + ||f|| + ||f|$ 

(T) U lir. vormirano u prostoru Z element nayboye aproksimacije

Fe neprekidua?

$$\leq ||(f - \tilde{z}_{i}^{2}c_{i}^{2}g_{i}) - (f - \tilde{z}_{i}^{2}c_{i}^{2}g_{i})||$$

$$= \left\| \sum_{i=1}^{n} (C_{i}^{2} - C_{i}^{1}) \cdot g_{i} \right\|$$

=) Fz nepretidua (¿ La bilo tere f)

$$F_{\xi}(\alpha, \alpha) > \emptyset$$
?

## 1116M

## 10: 
$$F_0(\alpha_{m}, \alpha) = || Z_{0}(q)||$$
 repetition

||  $G(||_{2} = 1) = (|| G(||_{2} = 2\alpha^{2})) = (|| G(||_{2} = \alpha^{2}) = || G(||_{2} = \alpha^{2})) = (|| G(||_{2} =$ 

(f) Ato je prostor R strago normiran lin. prostor ouda je Qo jadnstven.

stago noemiran: 11xt y 11 = 11x11+11y11 <=> x= Ay, A> 0

K

$$\bigcirc$$
 pps.  $\exists Q_0^1 \neq Q_0^2$ ,  $Q_0^2 = \sum_{i=1}^n C_i^i g_i$ ,  $i = 1,2$ 

$$\| \frac{1}{2} - \frac{\alpha_0^2 + \alpha_0^2}{2} \| = \| \frac{1}{2} - \frac{\alpha_0^2}{2} + \frac{1}{2} - \frac{\alpha_0^2}{2} \|$$

= En(x)

$$= \frac{1}{2} \cdot E_{N}(2) + \frac{1}{2} |E_{N}(2)|$$
 (1)

$$\frac{Q_{0}^{1}+Q_{0}^{2}}{2}=\frac{1}{2}\frac{C_{0}^{1}+C_{0}^{2}}{2}q_{0}^{2}=\frac{1}{2}\frac{1}{2}(C_{0}^{1}+C_{0}^{2})q_{0}^{2}=Q_{0}^{3}$$

=> 
$$E_{u} \leq ||f - Q_{0}^{3}|| \leq E_{u} \Rightarrow ||f - Q_{0}^{3}|| = E_{u}$$
 (2)  
=>  $Q_{0}^{3}$  to knote of varyon

$$\frac{1}{2} \|f - Q_0^{\prime}\| + \frac{1}{2} \|f - Q_0^{\prime}\| = \left[ \ln(f) = \left[ \left( \frac{1}{2} - \frac{Q_0^{\prime} + Q_0^{\prime}}{2} \right) \right] \right]$$

$$\left[ \left( \frac{1}{2} \left( \frac{1}{2} - Q_0^{\prime} \right) + \frac{1}{2} \left( \frac{1}{2} - Q_0^{\prime} \right) \right] \right]$$

Or je mogrée semo ako je 
$$\frac{f - Q_0}{2} = \int_0^\infty \frac{f - Q_0^2}{2} \qquad (stroga vormiremost)$$

$$\lambda = 1: \quad \xi - \alpha_0^2 = \xi - \alpha_0^2 = \alpha_$$

$$f = \frac{Q_0^2 - \lambda Q_0^2}{1 - \lambda} = \frac{2}{1 - \lambda} \frac{C_0^2 - \lambda C_0^2}{1 - \lambda} gi$$
const