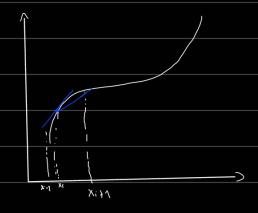
Expresión par el error.

pell ec. 1

$$f_{i}(x_{i}) = \frac{x_{i+1} - x_{i}}{f(x_{i}H) - f(x_{i})} + O(y) \rightarrow generals \text{ for } g_{i} \text{ fever(1)} \text{ Givites}$$



Si ahre a en vez & XIII queremos XI-)

$$\frac{f(x_{i-1}) - f(x_{i}) - f(x_{i-1}) - O((x_{i-1} - x_{i-1})_{s})}{f(x_{i-1}) - f(x_{i-1})} + O(h_{s})$$

$$f(x!) = \frac{5(x!) - x!-1}{f(x!) - f(x!-1)} + O(h)$$

$$f(x;y) - f(x;-1)$$

$$f(x_{i+1}) - f(x_{i-1}) = f'(x_{i}) (x_{i+1} - x_{i}) + f'(x_{i}) (x_{i} - x_{i-1}) + O((x_{i+1} - x_{i})^{2})$$

$$-\left(\left(\left(x_{i}-x_{j-1}\right)^{2}\right)\right)$$

$$= f'(x_i) (X_i + 1 - X_{i-1}) + O(h^2) - h = X_{i+1} - X_{i-1}$$

$$f(x_{i+1}) - f(x_{i-1}) = f'(x_i) (x_{i+1} - x_{i-1}) + O(h^2)$$

$$f'(x_i) = \frac{f(x_i+1) - f(x_i-1)}{x_{i+1} - x_{i-1}} + O(h^2) \implies \text{primers derivate continuous} \quad \text{(e) major parque$$

$$f'(x_i) = \frac{x_{i+1} - x_i}{f(x_i + y_i) - f(x_i)} + O(y_i)$$
 Primar givenoù a egelen re

because 
$$f'(x_i) = f(x_i) - f(x_{i-1}) + o(h)$$

$$f'(x_i) = \frac{f(x_i+1) - f(x_i-1)}{x_{i+1} - x_{i-1}} + O(h^2) \implies \text{primers derivate continuous} \quad \text{(e) mejor parque el h es menor)}.$$

$$f'(x_i) = \frac{x_{i+1} - x_i}{f(x_i + y_i) - f(x_i)}$$
  $f(x_i) = \frac{f(x_i + y_i) - f(x_i)}{f(x_i)}$ 

$$f'(0.5) = \frac{0.2 - 0.925}{1 - 0.5} = -1.45$$

primere derivete nacia atras.

$$f'(0.5) = 0.925 - 1.2 = -0.55$$

butter garne go contrare

$$f'(0.5) = \frac{0.2 - 1.2}{1 - 0} = -1$$

| f,(x) |                 |       | Err relative usender f'co.5) = -0.9125 |                         |                |            |
|-------|-----------------|-------|--|-------------------------|----------------|------------|
| χ     | Necro additions | Nacie | centala                                |                         | ,              |            |
| 0.5   | -7.45           | -0.55 | -1                                     | -0.9125+1.45<br>-0.9125 | -0.9125 + 0.55 | -0.9125 +7 |
|       |                 |       |  | 2-0.58                  | -0.3972        | =-0.095    |
|       |                 |       |  | -58%                    | 39%.           | - q "(.    |
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