Tugos komum

3. d.
$$0.00432 + (25.1) \times (0^{-3}) + (10.322 \times 10^{-2})$$

 $0.00432 + 0.0251 + 0.1032$
 $0.13262 = 0.133 = 1.33 \times 10^{-1}$

$$-0.082 = -8.2 \times 10^{-2}$$

$$d. (8,38 \times 10^5) \times (6.9 \times 10^{-5})$$

$$57,822 = 58$$

$$e | (8.38 \times 6^{4}) \times (6.80) \times (0^{-4}) |$$
 $57.822 = 57.8$

$$g. [(4.81 \times 10^{-3}) / [(6.9134 \times 10^{3}) + 32.26]] - (6.7845 \times 10^{-6})$$

 $[(4.81 \times 10^{-3}) / 32.27] - (6.784 \times 10^{-6})$
 $(1.50 \times 10^{-4}) - (6.784 \times 10^{-6})$
 1.43×10^{-4}

$$h. [58.6 \times (12 \times 10^{-6}) - (208 \times 10^{-6}) \times 1801] / (468,94 \times 10^{-6})$$

 $[(7.0 \times 10^{-4}) - (3.75 \times 10^{-1})] / (469 \times 10^{-6})$
 $(-3.7 \times 10^{-1}) / (469 \times 10^{-6})$
 -79×10^{2}

4.
$$f(1) = e^{-1}$$
 $f(x) = e^{-x}$
 $f(2) = e^{-2} = 0.14$
Orde we -0 $(n=0)$: $f(x_{1+1}) = f(x_1)$

$$f(\phi) = e^{-1}$$

$$E_{\alpha} = e^{-2} - e^{-1} = \frac{1}{e^{2}} - \frac{1}{e}$$

$$= \frac{1 - e}{e^{2}}$$

$$= -0.23$$

$$E_{\alpha} = -0.23$$

$$E_{\alpha} = -0.23$$

orde ke - 1 (n=1):

$$f(x_{i}) + f'(x_{i})(x_{i+1} - x_{i}) \qquad E_{q} = e^{-2} - 6 \qquad E_{r} = \frac{0_{i} \cdot y}{0_{i} \cdot y}$$

$$f(1) = e^{-1} \qquad = \frac{1}{e^{2}}$$

$$f'(1) = -e^{-1} \qquad = 0_{i} \cdot y$$

$$f(1) + f'(1)(2-1) \qquad E_{r} = 1$$

$$e^{-1} + (-e^{-1})$$

orde ke-2 (n=2):

$$f(1) + f'(1)(2-1) + [f''(1)/2!](2-1)^{2} = \frac{1}{2e} \begin{cases} Er = \frac{-0.05}{0.14} \times (00\%) \\ Eq = e^{-2} - \frac{1}{2e} \end{cases}$$

$$Eq = -0.05$$

orde ke-3 (n=3):

$$f(1) + f'(1)(2-1) + [f''(1)/2!](2-1)^{2} + [f^{3}(1)/3!](2-1)^{3} = \frac{1}{3e}$$

$$E_{\alpha} = \frac{1}{e^{2}} - \frac{1}{3e}$$

$$E_{\alpha} = \frac{0.013}{0.14} \times (00^{\circ})$$

$$E_{\alpha} = 0.013$$

$$E_{\alpha} = 9.29^{\circ}$$

orde ke-4 (n=4):
$$f(1) + f(1)(x-1) + [f''(x)/2](x-1)^{2} + [f''(1)/3]/44(x-1)^{3} + [f''(1)/4](x-1)^{4}$$

$$f(1) + f(1)(x-1) + [f''(x)/2](x-1)^{2} + [f''(1)/3]/44(x-1)^{3} + [f''(1)/4](x-1)^{4}$$

$$f(1) + f(1)(x-1) + [f''(x)/2](x-1)^{2} + [f''(1)/3]/44(x-1)^{3} + [f''(1)/4](x-1)^{4}$$

$$f(1) + f(1)(x-1) + [f''(x)/3](x-1)^{2} + [f''(1)/3]/44(x-1)^{3} + [f''(1)/4](x-1)^{4}$$

$$f(2) = \frac{1}{3} = \frac{1}{3}$$

orde ke -2 (n=2)

$$f(2) + f'(2)(3-2) + [f''(2)/2!](3-2)^2 = 529$$

 $E_0 = 554 - 529$ $E_T = \frac{25}{554} \times (00\%)$
 $E_0 = 25$

or de ke-3 (n=3)
$$f(2) + f'(2)(3-2) + [f'(2)(2]](3-2)^{2} + [f^{3}(2)/3]](3-2)^{3} = 554$$

$$f(2) + f'(2)(3-2) + [f'(2)(2]](3-2)^{2} + [f^{3}(2)/3]](3-2)^{3} = 554$$

$$f(2) + f'(2)(3-2) + [f'(2)(2]](3-2)^{2} + [f^{3}(2)/3]](3-2)^{3} = 554$$

$$f(3) + f(3) = f(3)$$

$$f'(3) = f(3)$$

$$f'(4) = f(3) = f(3)$$

$$f'(5) = f(3) = f(3)$$

$$f'(6) = f(6)$$

$$f'(7) = f(7)$$

or de ke -
$$2(n=2)$$

 $f(2) + f'(2)(y-2) + [f''(2)/2!](y-2)^2 = 1,19$
 $f(3) + f'(2)(y-2) + [f''(2)/2!](y-2)^2 = 1,19$

orde ke -3
$$(n=3)$$

 $f(2) + f'(2)(4-2) + [f''(2)/2](4-2)^2 + [f^3(2)/3](4-2)^3 = 1.53$
 $E_{\alpha} = 1.39 - 1.53$ $E_{\Gamma} = -0.14 \times 100\%$
 $E_{\alpha} = -0.14 \times 100\%$
 $E_{\Gamma} = -0.07\%$
orde ke -4 $(n=4)$
 $f(2) + f'(2)(4-2) + [f''(2)/2](4-2)^2 + [f^3(2)/3](4-2)^3 + [f^4(2)/6](4-2)^4 = 1.21$
 $E_{\alpha} = 1.39 - 1.21$ $E_{\Gamma} = \frac{0.16}{1.39} \times 100\%$
 $E_{\Gamma} = 12.195\%$