1.3.
a. De. 5 + - 2, 929; 5 = 8.93
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
b DD= P4 - P - 1 5 1 - 2 SD- 1 AP - 3/320 - 0, 569 %
S! 6! 20 pt 41/24
C. TT = 2,4508; TT = 3,4668; ATT = 1,0159 , 16T = 10, 4145
174
.d. et = 2, 128; ē = 2, 2169; Ae = 0, 5389; Se = Ae = 0, 2424.
1.5
a. 4-0, 814
Δu- 1 22 Axe Axe
$Q_{1} = \frac{1}{2 + \chi_{2}^{2}} \left \frac{1}{2 + \chi_{2}^{2}} \right \frac{1}{2 + \chi_{$
21 + 12 21 + F12
51 - Bu - 6.538. 10-9 - 0.00.00.281%.
5u- Du - 6.538. 10-4 - 0.0.0,0 3.81%.
b u = 6,89 ; Az = Ay = 0,5 10-3
$\Delta u = \ln e^{x} + 2x \ln x + \ln x \ln x = 5.681.40^{-3}$
$\Delta u = \begin{cases} q e^{x} + 2x & \int \Delta x + \int e^{x} \Delta y = 5,681.48^{-3} \\ Su - \Delta u = S,681.10^{-3} = 0,012.\% \end{cases}$
[4] [6,89]
$C = 11 - C = 0.06 \cdot \Delta x = 0.1 - 0.00 \cdot 10^{-8}$
$C = \frac{4 - 6}{5}, 20.6 ; \Delta x = \Delta y = 0, C = 10^{-8}$ $\Delta y = \frac{1}{5} \sin y - y + \Delta x = \frac{1}{5} x \cos y - x + \Delta y$ $= \frac{1}{5} \cdot 1$
-1.129.10 ⁻³
Su = <u>Au</u> = 0, 569 %
[4]
d. u. = 0, 124; Dx= 1y= 0, 5, 10-3
Au - 1 - sinz 1x + (At - cosz) + Au
$\Delta N = \left[\begin{array}{c c} -Sinz & \Delta x + fDC - cosz \right] / \Delta y$ $A+y & CA+y \right]^2$
= 6, 215, 10-4
Su = Du - D 0,501.%
u V

<u>4~}</u>
.a. 4x = 2d, x
1 x = 1 fang 1 +2 / Da + at + D-Do At + t DV + t AVO
- 4,2.375
SX - 0x - 12,08%
b. = 13,69X
$\Delta F = \frac{ m_1 m_2 }{N^2} \Delta m_1 + \frac{ Gm_1 }{N^2} \Delta m_2 + \frac{-QGm_1 m_2 \Delta m}{\Lambda^2} \Delta m_2 + \frac{-QGm_1 m_2 \Delta m}{\Lambda^2} \Delta m_3$
= 0, 3966
=) &F = 2,896%
.c. D: 2√2'
$\Delta D = \left \frac{1}{\sqrt{(x_A - x_B)^2 + (x_A - y_B)^2}} \right \left(\frac{1}{2} x_A - x_B \right) \left(\frac{1}{2} (x_A + 4x_B) + \frac{1}{2} (x_A + 4y_B) \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - y_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 + (x_A - x_B)^2 \right) \left(\frac{1}{2} (x_A - x_B)^2 \right)$
- O, 04 24
SD = 1.5%.
d. E- Jan 32,14
DE = \ \frac{1}{2} \(\frac{1}{2} \) \(\frac{1}
= 2,1068
SE= 6,27%