poseuro Porale 20.501, ny 3 againe 101 Bapuaun Me 10 2(x) = cos(2,8x+11+x1)-arclg(1,5x+0,2) x =0,1(0,01)0,2 1) Z=f(u, v) = a v 1816 AZ = AXX + BI A++ B2A2 = BUAU+BOAV Bu Au= BVAV $\Delta u = \frac{\Delta z}{2By}$ $\Delta v = \frac{\Delta z}{2By}$ 1.1) If = V Bu = max |V| = max |arctg(1.5x+0,2)|= [0,1,0,2] [0,1,0,2]= arctg (1,5-0,2+0,2) = arctg (0,5) = E 0,462117 1.2) dt zu Br=max /u/=max / cos (2,8x+ (8+x)/= [0,1;0,2] [0,1;0,2]

= 00 (2,8 0,1+(1,17)=0,999731 $\Delta u = \frac{10^{-6}}{2 \cdot 0,462117}$ $\Delta v = \frac{10^{-6}}{2 \cdot 0,9999731}$ 2) 4 = 005/0/ De = De + By Dy BYAY = 1 44 $\Delta \varphi = \frac{\Delta \varphi}{2 \beta \varphi}, \ \Delta \varphi * = \frac{\Delta \varphi}{\lambda} = \frac{2 \varphi}{4 \cdot 0,462(17)}$ 1 = - sin(φ) avolg (ψ) Be= max |-sin(2,8x + lex)-arety (5). to,2) = sin (0,56+[1,2]) avely (0,5) = ≈ 0,013356 DQ = 10-6 4.49330,462117.0,013350