Wilston Orlaningh 30853m Warny homentare poll ham le Za 8 Nosa funkija Ju(x, g) = xy J-log(x2-y2) ghris x2+y2>0 / u(0)) - 0 Nx(0,0)= Nxx(0,0)= $=u_{y}(0,0)=u_{yy}(0,0)=0$ Bushane tis fumbigi ux = y J-log(x2+y2) + xy · (-1) · (x2+y2) J-log(x2+y2) $= y\sqrt{-\log(x^{2}+y^{2})} - \frac{x^{2}y}{(x^{2}+y^{2})}\sqrt{-\log(x^{2}+y^{2})} - \frac{x^{2}y}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}} + x^{2}y(2x\sqrt{-\log(x^{2}+y^{2})})^{\frac{-x}{2}}$ $= xx - \frac{xy}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}} - \frac{x^{2}y}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}} + \frac{x^{2}y}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}}$ $= (x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})} - \frac{x^{2}y}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}} + \frac{x^{2}y}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}}$ $= (x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})} + \frac{x^{2}y}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}} + \frac{x^{2}y}{(x^$ Uxx= -xy [x2+y2] J-650(x2+1y2) $= \frac{-3 \times 7}{(x^{2}+y^{2})\sqrt{-\log(x^{2}+y^{2})}} + \frac{2 \times^{3} y}{(x^{2}+y^{2})^{2}\sqrt{-\log(x^{2}+y^{2})^{2}}} + \frac{x^{3} y}{(x^{2}+y^{2})^{2}\sqrt{-(\log(x^{2}+y^{2}))^{2}}}$ lim u.xx = 0 (dolineria ser bossí vorlegle, pormale pamimaí je)
unrykstmejor, že anstirie timpliánny tahic praniv uyli uxx jest ungle, me pomenoù nielignez pensoù ble xxyt 50; uy = x J-bg(x2 +y2) An - xy2 (x2+y2) Myy = -3xy + 2xy (x2+y2) - (x2+y2) (x2 View pomensi tylko morno zmennych się nóżni. analogiane joh ux i uxx myti Ugg tei jest viagle, tohi sam toh myslemina joh u xx

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308533 Willer Viloringh 2y (-by (x "y) - J-weis (y)) Za & C.P 1 $(U_{x})_{y} = \int -\log(x^{2} + y^{2}) + y^{2} \cdot \frac{-2y}{(x^{2} + y^{2})} \int -\log(x^{2} + y^{2}) \int -\log(x^{2} + y^{$ - J-bg(x+y) - 1-bg(x+y) - ((2+y)) - (2+y) - ((2+y)) - ((2+y)) - ((2+y))) - ((2+y)) - ((2+y))) - ((2+y)) - ((2+y))) - ((2+y)) - ((2+y)) - ((2+y))) - ((2+y)) - (2+y) - ((2+y)) - (2+y) - (($= \sqrt{-\log|x^2+y^2|} - \frac{2y^2}{(x^2+y^2)\sqrt{-\log|x^2+y^2|}} - \frac{x^2}{(x^2+y^2)\sqrt{-\log|x^2+y^2|}} + \frac{2x^2y^4}{(x^2+y^2)^2\sqrt{-\log|x^2+y^2|}} + \frac{x^2y^2}{(x^2+y^2)^2\sqrt{-\log|x^2+y^2|}} + \frac{x^2$ $U_{j,k} = \sqrt{-l_{3}(x^{2}+y^{2})} - \frac{2x^{2}}{(x^{2}+y^{2})\sqrt{-l_{3}(x^{2}+y^{2})}} - \frac{y^{2}}{(x^{2}+y^{2})\sqrt{-l_{3}(x^{2}+y^{2})}} + \frac{2x^{2}y^{2}}{(x^{2}+y^{2})\sqrt{-l_{3}(x^{2}+y^{2})}} + \frac{2x^{2}y^{2}}{(x^{2}+$ Oblinsnie nys tak jak næsnig ny my my jest anskyrene jak uxy i likenje granis tei jest analogierne **

Wier usy i hy nie stricter pole, paniensi * 0 700 ton whe pohershismy to a hielismy (34)

Walton Pilaruph 308533 Za 8 C.D. 2 Nie napisalem & ablieur bot-generech pochodnej u punkein u(x,0) = 0 over u(0,0) = 0who $u_{x}(v_{i}, 0) = \lim_{k \to 0} \frac{u(k_{i}, 0) - u(v_{i}, 0)}{k} = 0$ podobne nx(x,0)=0 mynx(0,0)=0 inc uxx (0,0) = hin u(h,0) - h (0,0) = D Anologiesnie ble uggi uggjotylks destegsån normy miennych sie viring u propablu tych oblices Ux (0, y) = y J-60, (y) Ux (0,0) =0 $U_{xy} = \lim_{h \to 0} \frac{\lambda \sqrt{-\ln(h)^2 - 0}}{h} = \lim_{h \to 0} \frac{\lambda \sqrt{-\ln(h)^2 - 0}}{h} = \infty$ i polotne obli nenia bla uy k tylles se zamieniomymi moznowi smityvi nessus mni zniennyvi uy (0,0) = D Where probable a punhase (V, O) Ala axy i a yx nie istnieją.