(y-x)-1. *\$ m 3d HS 9) 1,002 1 20032 . 3,0003 Douannes pavoia N 3146 u= arcsin (42) + accsin (1-y) $\begin{cases} -1 \le \frac{xU}{y^2} \le 1 & y \ne 0 \\ -1 \le 1 - y \le 1 & 0 < y \le 2 \end{cases}$ P(u) 2 x 3-1 x 51 $\frac{x+y^2}{y^2}$ >,0 $\frac{x-y^2}{y^2}$ < 0 N. 3144 4 = \(\sin(x^2+y^2)' Day sinx = R 2/4 $0 < x^2 + y^2 < \infty$ $5!n(x^2 + y^3) > 0$ 4 < R; $0 \le M \le 1$ 3159.2

2 = max (1x1,141) = 22 C max (141,141) >0 max (x1, y1) =0 X=0 y20 npu C=0 N 3168 4 - x2 + y2 + 22 = 0 - conspre x +y2 +22 =0 z-f(x), y=0 bouper ven 4m (1+ 1) √xuy = e y=>a ... 0 1 3191 Lim hm x + ey)
x-71 - x2+y2
y->0 N 3192 hn (1-1) 2 hd 2) N 3219

U 2 to y $\frac{\partial u}{\partial x} = \frac{1}{2} \frac{\partial u}{\partial y} = \frac{1}{2} \frac{\partial u}{\partial y} = \frac{\partial u}{\partial y}$

\$ \$\frac{3}{y^2} \sin(\frac{12}{y}) \cdot \sec \frac{4^2}{y} \right\} + \frac{1}{y^4} \sin \frac{1}{y} \sec \frac{4^2}{y} \right\} $\frac{\left(\frac{x^2}{y}\right)}{\sec^2\left(\frac{x^2}{y}\right)}$ a'y (y2-y) xy-2 Ln2x xy-N 3229 uz Xy x y-1 × y-1 24 xy hox Lnx.y w 3238 Ln J. x2 +y2 X (x x +y) 1 · 2 ×2+32 · (2 ×6x + 24/4) - 2 - 27 dy2 - dy2) - Hxydxdy (x1+y2) - Hxydxdy

