$$\frac{31x1y^2}{x^2+y^2} < \epsilon \qquad \text{when} \quad 0 < \sqrt{x^2+y^2} < \delta.$$

AS,
$$y^{2} \le x^{2} + y^{2}$$
 ; $x^{2} \le x^{2} + y^{2}$ | $(x) = \sqrt{x^{2}}$

OR $\frac{y^{2}}{x^{2} + y^{2}} \le 1$; $(0R \frac{x^{2}}{x^{2} + y^{2}} \le 1)$ | $(x) = \sqrt{x^{2}}$

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$$\Rightarrow 2 + \frac{3xy^2}{(x,y) + (0,0)} = 0$$

$$A/0. f(0,0) = 0$$

=)
$$\lambda t f(x,y) = f(0,0) = 0$$
.

of (x, y), ...

:. f(x,y) is continous everywhere.