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1.2

$$y' = \frac{y^2}{x^2 + y^2} \quad x^2 + y^2 \neq 0$$

$$s = y^2 / x^2 + y^2$$

$$\frac{\partial s}{\partial y} = \frac{2y(x^2 + y^2) - y^2(2y)}{(x^2 + y^2)^2}$$

Ex/soln There is a unique

soln as long as $x_0^2 + y_0^2 \neq 0$

