Implicit Functions

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IMPLICIT FUNCTION

Junction in which one vociable cannot be explicitly written as a pure function of another.

· Commonly of the form F(x,y) = C

Desirative of implicit function

Consider an implicit function F(x,y)=C

Thus we have

$$\frac{\partial F}{\partial x}$$
 (1) + $\frac{\partial F}{\partial y}$ = 0

$$\frac{dy}{dx} = -\frac{\partial F}{\partial x}$$

IIIly, for y being the independent variable,

$$\frac{dx}{dx} = \frac{-\partial F}{\partial y}$$

d (by) = dn (Fy)



