

Partial Derivatives



Question

The level curves of a function $f(x, y)$ are shown at right. Determine the signs of the pure second partial derivatives at the point P .

- A. $f_{xx}(P) < 0, f_{yy}(P) < 0$
- B. $f_{xx}(P) > 0, f_{yy}(P) < 0$
- C. $f_{xx}(P) < 0, f_{yy}(P) > 0$
- D. $f_{xx}(P) > 0, f_{yy}(P) > 0$

