

Parametric Equations



Question

Which of the following parametric curves does not trace out the unit circle?

- A. $x = \cos(t), y = \sin(t), 0 \leq t \leq 2\pi$
- B. $x = \sin^2(t), y = \cos^2(t), 0 \leq t \leq 2\pi$
- C. $x = \sin(t^2), y = \cos(t^2), 0 \leq t \leq \sqrt{2\pi}$
- D. $x = \sin(2t), y = \cos(2t), 0 \leq t \leq \pi$