

# centripetal acceleration

## Definition

n. the rate of change of velocity of an object moving in a circular path directed toward the center of the circle.

## Example Sentence

The roller coaster's design utilizes **centripetal acceleration** to keep passengers securely in their seats during loops.

## More Example Sentences

**Centripetal acceleration** keeps objects in circular paths.

## Synonyms

circular acceleration; inward acceleration; radial acceleration

## Antonyms

centrifugal acceleration; outward acceleration

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