

# ORTHOGONAL

*Meaning: Orthogonal refers to the condition of being at right angles to each other, particularly in the context of vectors or geometric lines, where it implies that their dot product is zero.*

1. In mathematics, two vectors are said to be orthogonal if their dot product is zero.
2. The orthogonal relationship between the two lines ensures that they intersect at a right angle.
3. In computer graphics, orthogonal projection is used to create a two-dimensional representation of three-dimensional objects.
4. The research team developed an orthogonal approach to the problem, allowing for multiple solutions to be explored simultaneously.
5. Understanding orthogonal functions is essential for solving differential equations efficiently.

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