

CHAPTER OVERVIEW

3: Vectors

"Philosophy is written in this grand book, the universe which stands continually open to our gaze. But the book cannot be understood unless one first learns to comprehend the language and read the letters in which it is composed. It is written in the language of mathematics, and its characters are triangles, circles and other geometric figures without which it is humanly impossible to understand a single word of it; without these, one wanders about in a dark labyrinth." - Galileo Galilei, *The Assayer*, tr. Stillman Drake (1957), *Discoveries and Opinions of Galileo* pp. 237-8.

[3.1: Vector Analysis](#)

[3.2: Coordinate Systems](#)

[3.3: Vectors](#)

[3.4: Vector Product \(Cross Product\)](#)

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