

## CHAPTER OVERVIEW

### 26: Calculus

This appendix gives a very brief introduction to calculus with a focus on the tools needed in physics.

#### Learning Objectives

- Understand how to determine a derivative and that it measures a rate of change.
- Understand how to determine partial derivatives and gradients.
- Understand how to determine anti-derivatives and that integrals are sums.

[26.1: Functions of Real Numbers](#)

[26.2: Derivatives](#)

[26.3: Anti-derivatives and integrals](#)

[26.4: Summary](#)

[26.5: Thinking about the Material](#)

[26.6: Sample problems and solutions](#)

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