

# 11

## PARTIAL DERIVATIVES

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- 11.1** Functions of Several Variables
- 11.2** Limits and Continuity
- 11.3** Partial Derivatives
- 11.4** Tangent Planes and Linear Approximations
- 11.5** The Chain Rule
- 11.6** Directional Derivatives and the Gradient Vector
- 11.7** Maximum and Minimum Values
- 11.8** Lagrange Multipliers