

Numerical Analysis

EIGHTH EDITION

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CHAPTER

12

Numerical Solutions to Partial Differential Equations



Figure 12.1

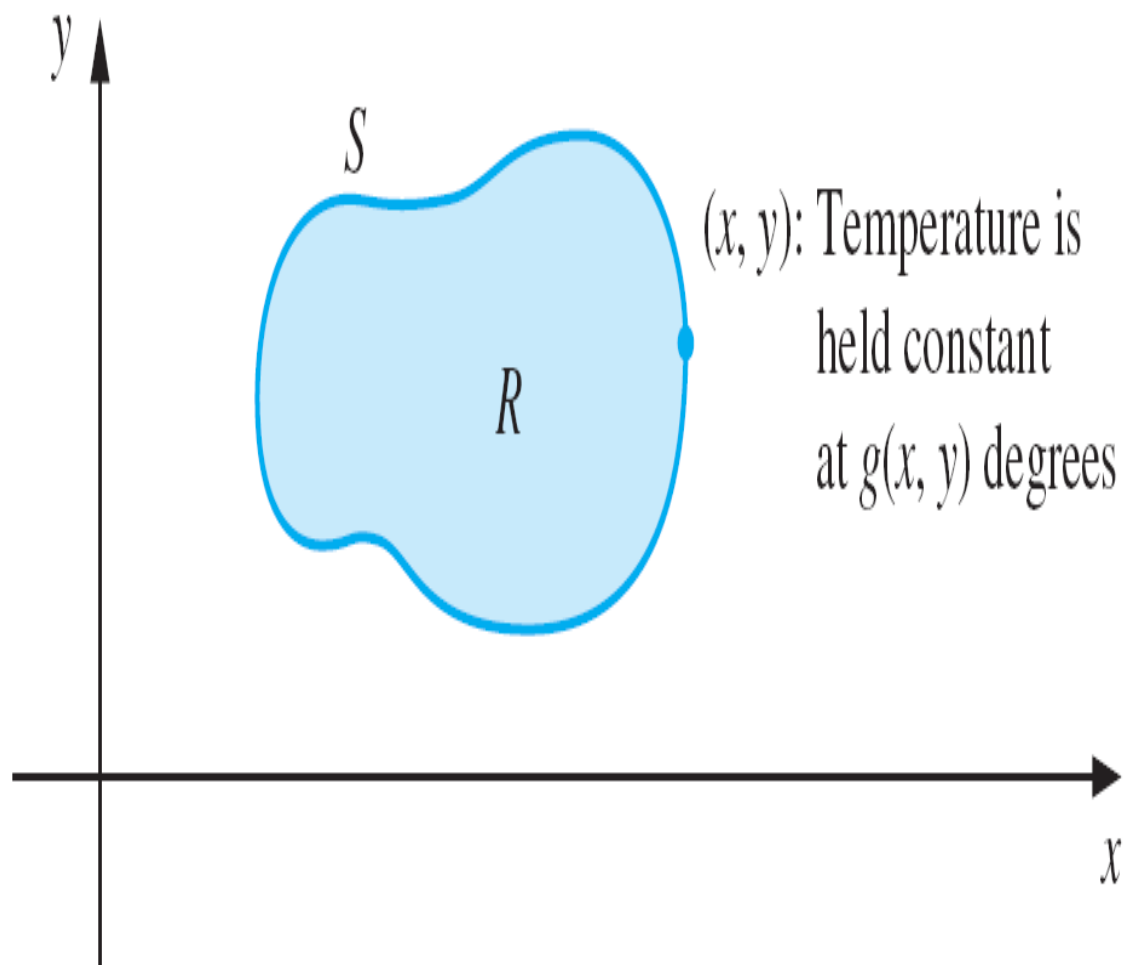
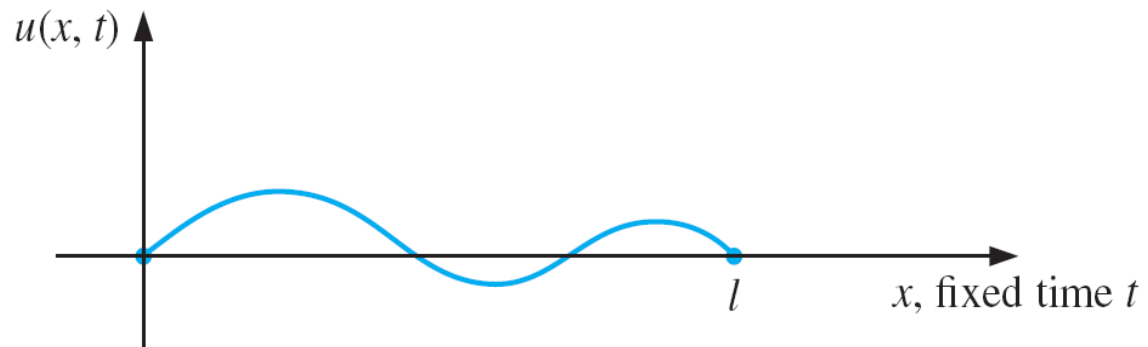


Figure 12.2



Figure 12.3



12.1 Elliptic Partial Differential Equations

Figure 12.4

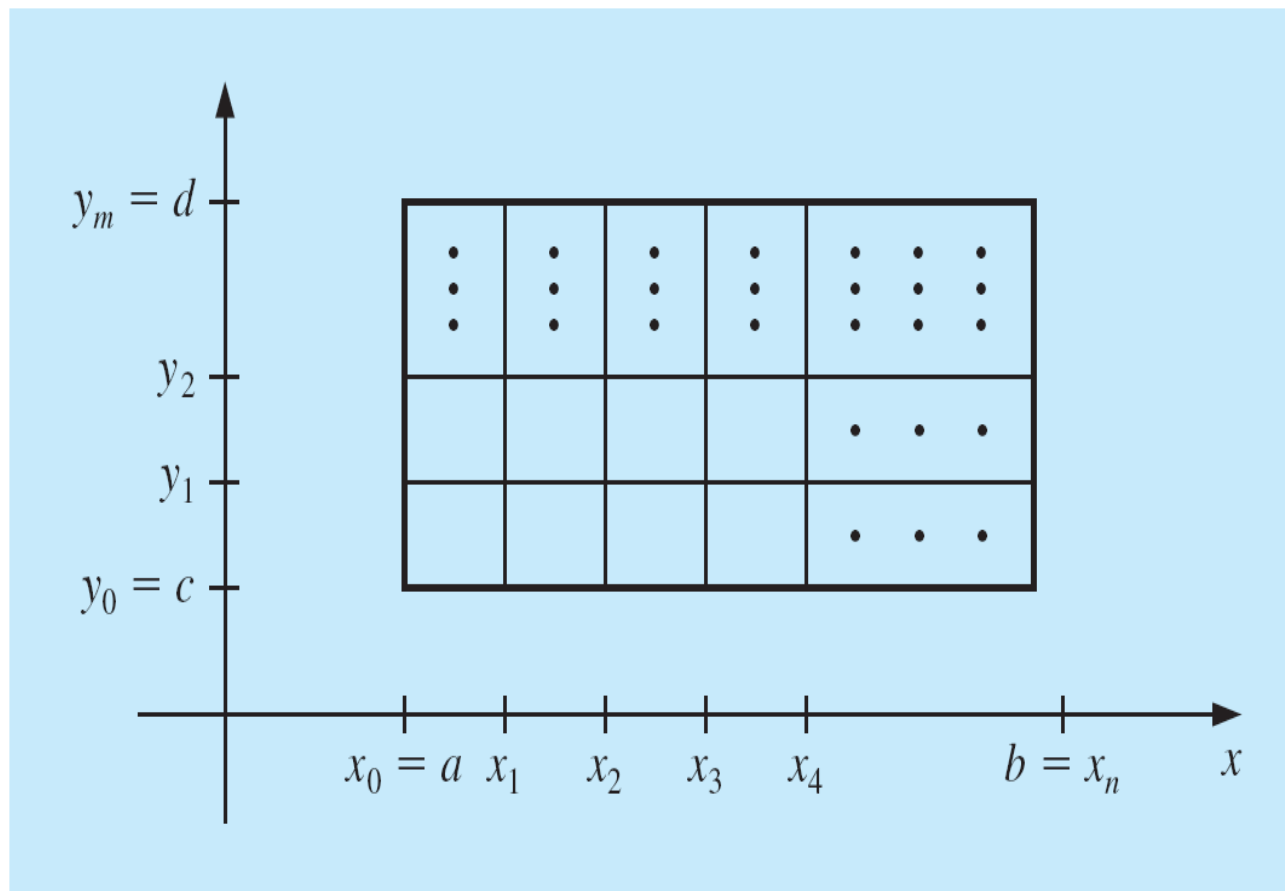


Figure 12.5

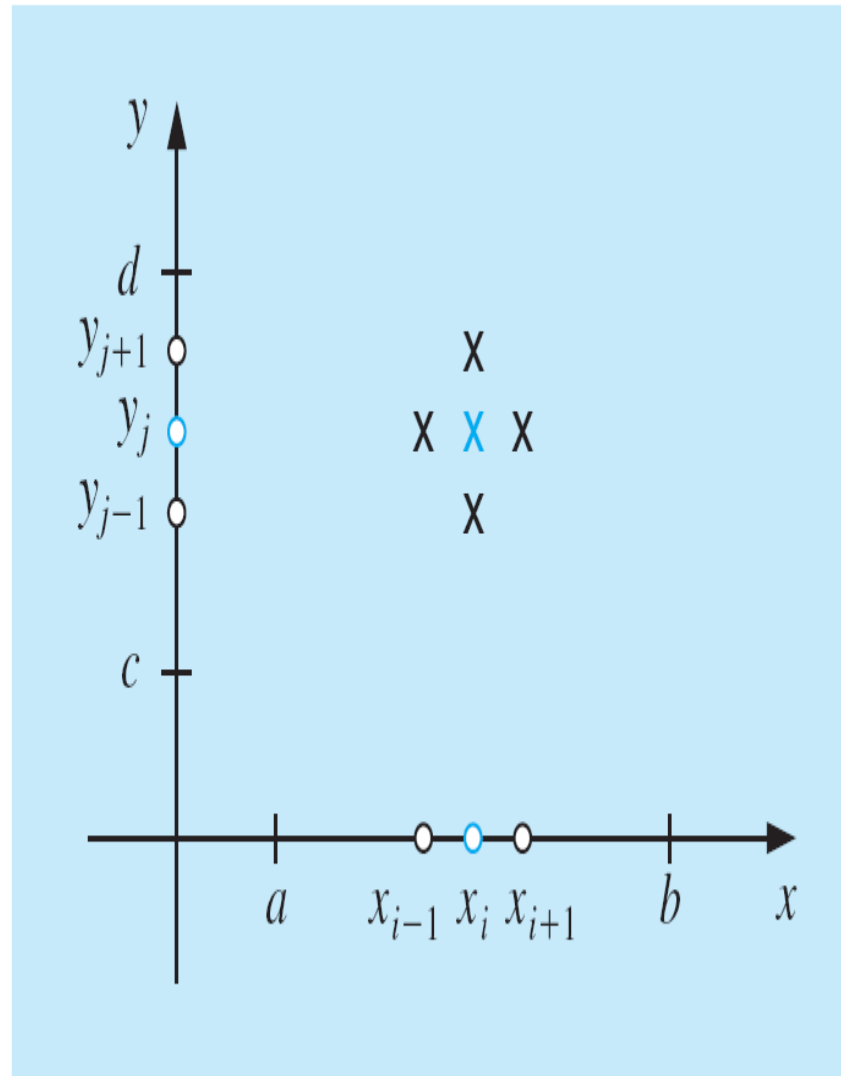


Figure 12.6

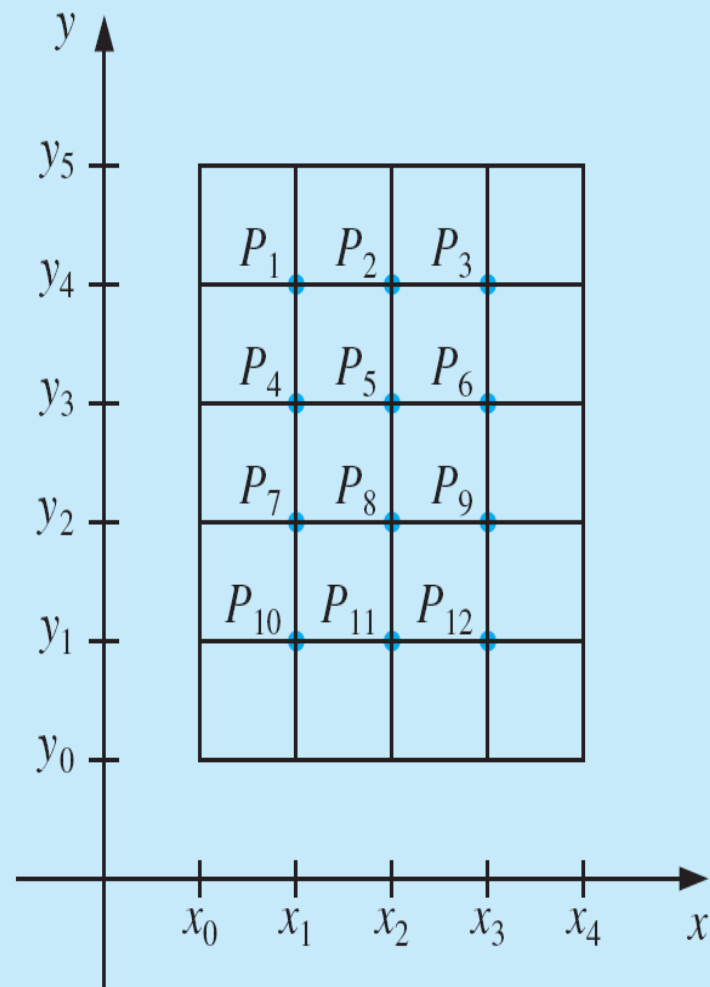


Figure 12.7

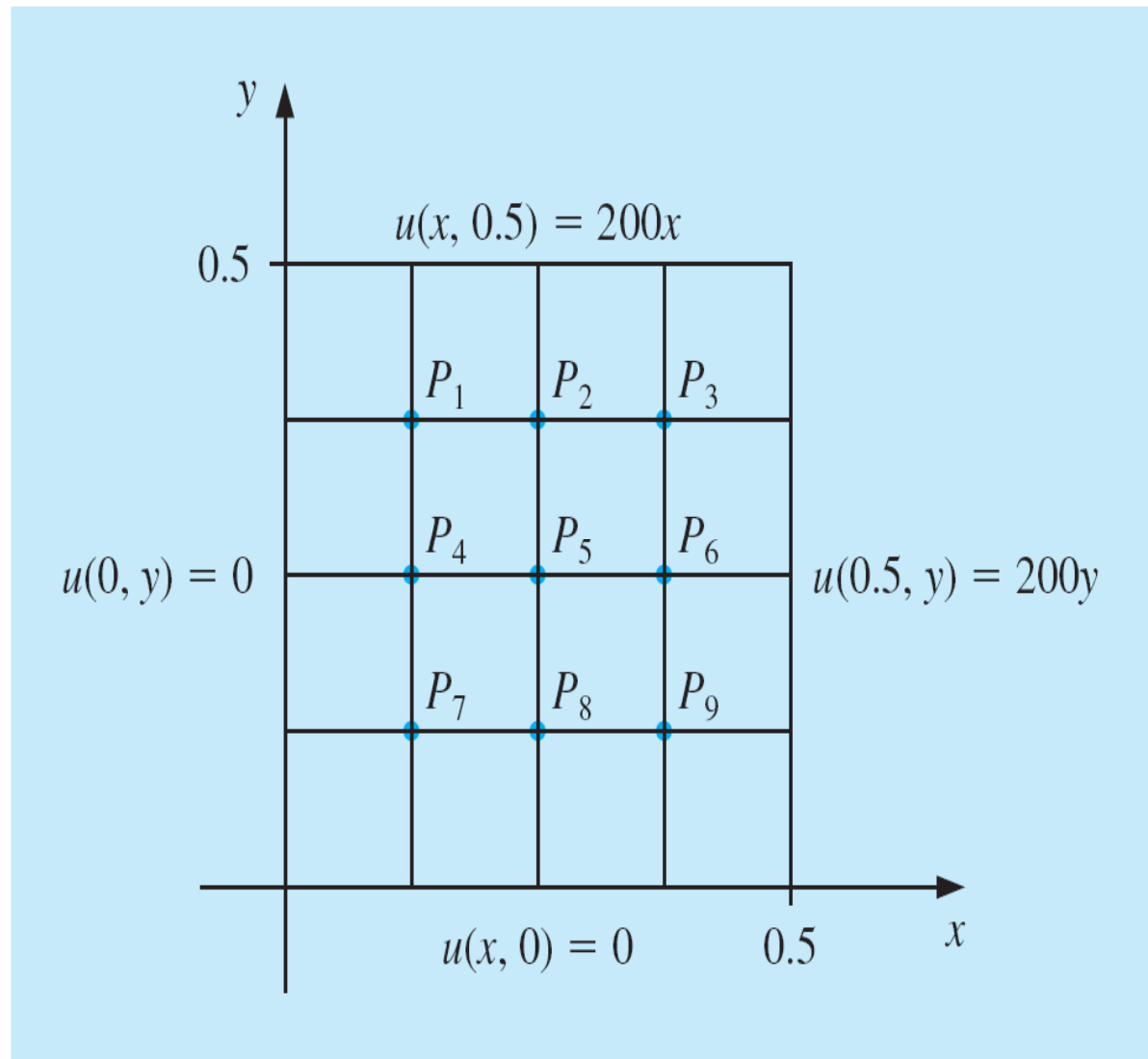


Figure 12.8

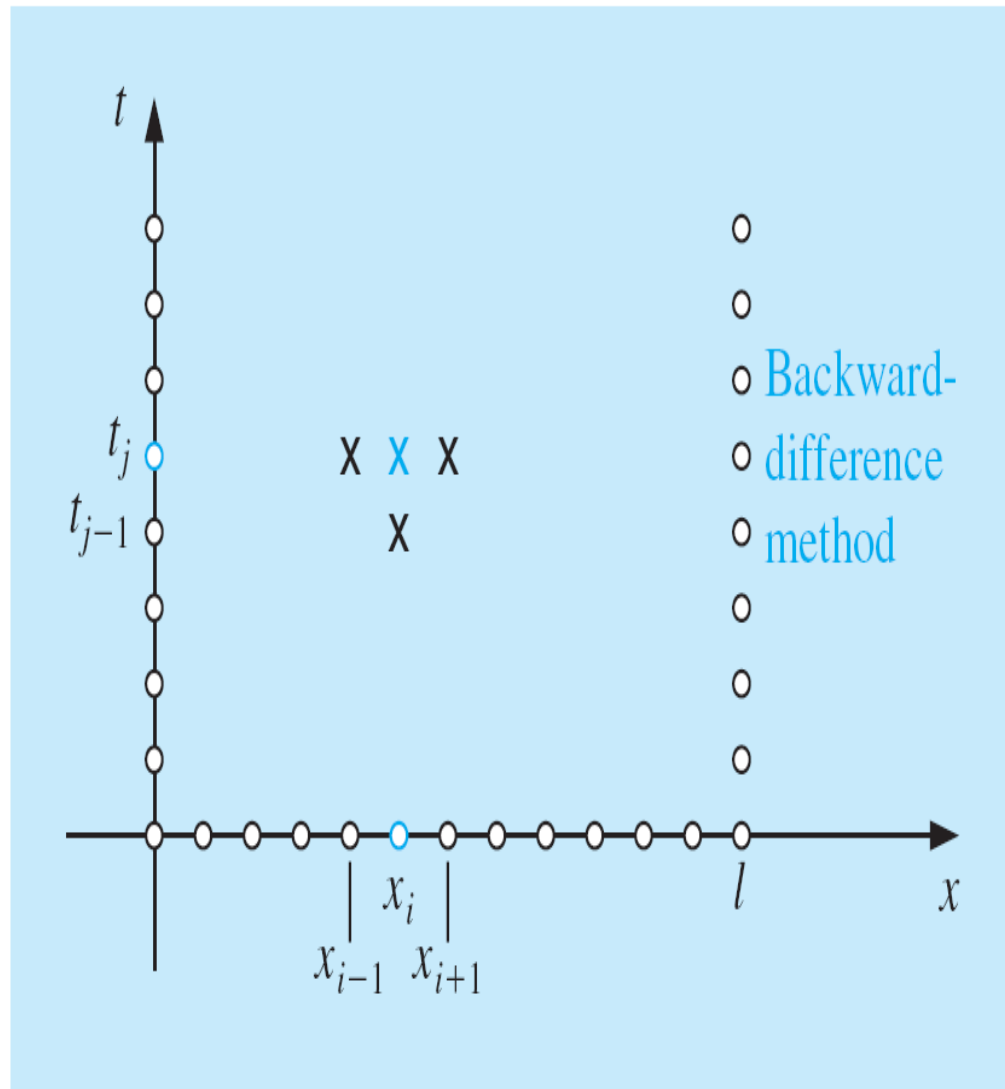
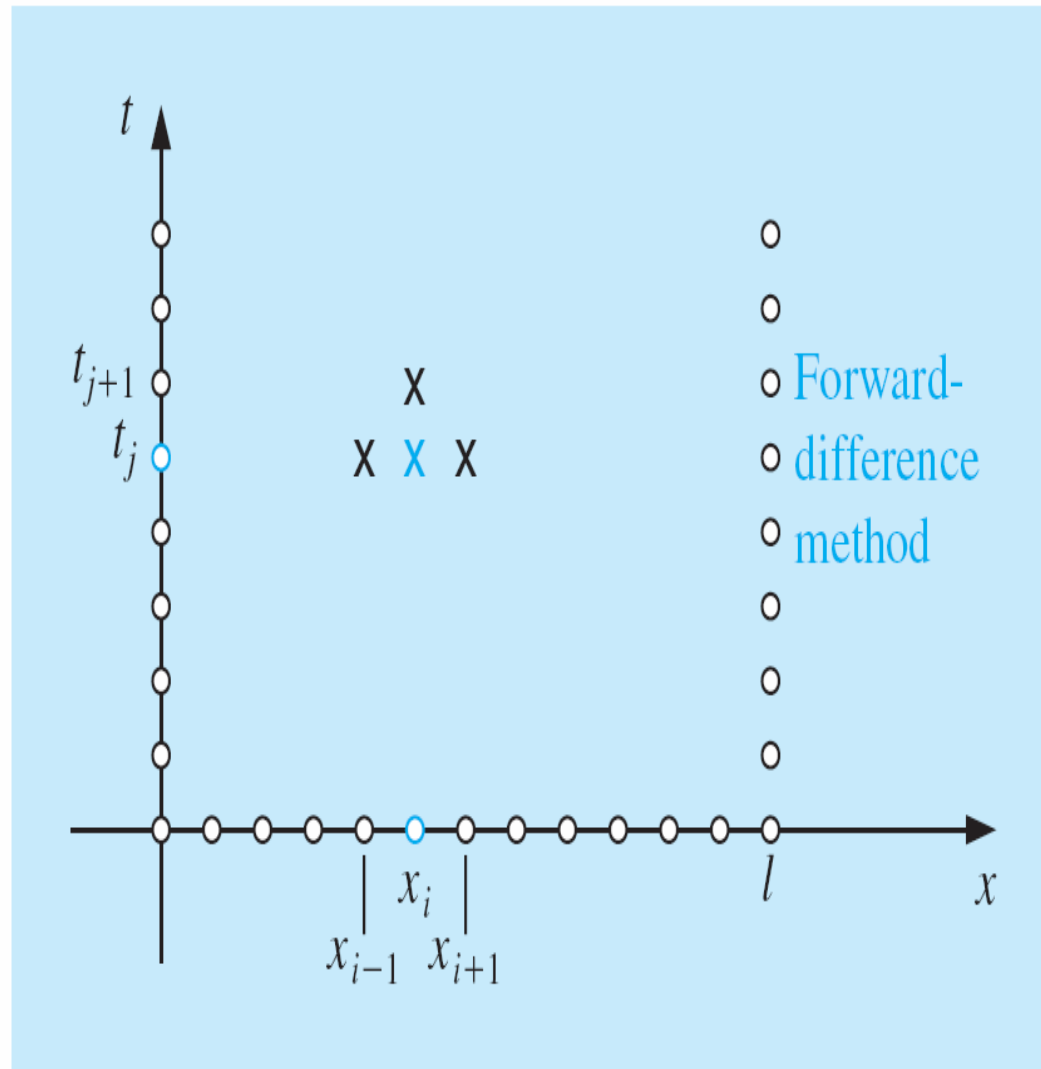
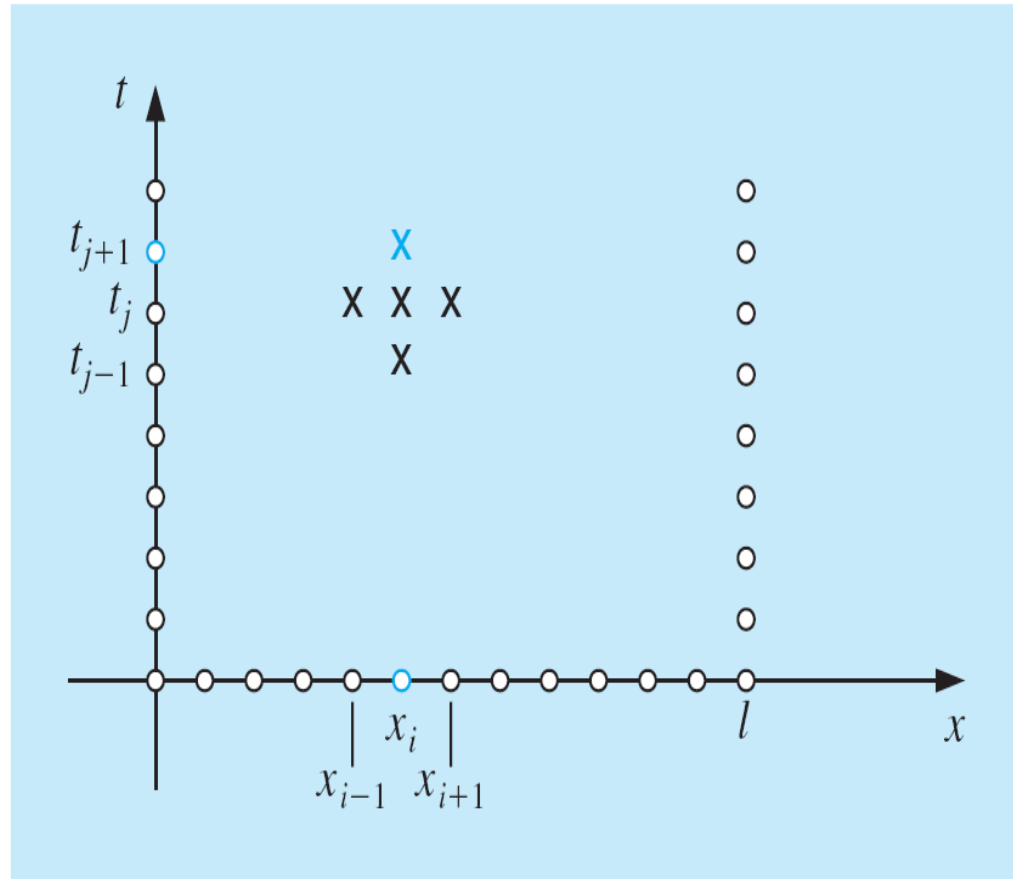


Figure 12.9



12.3 Hyperbolic Partial Differential Equations

Figure 12.10



12.4 An Introduction to the Finite-Element Method

Figure 12.11

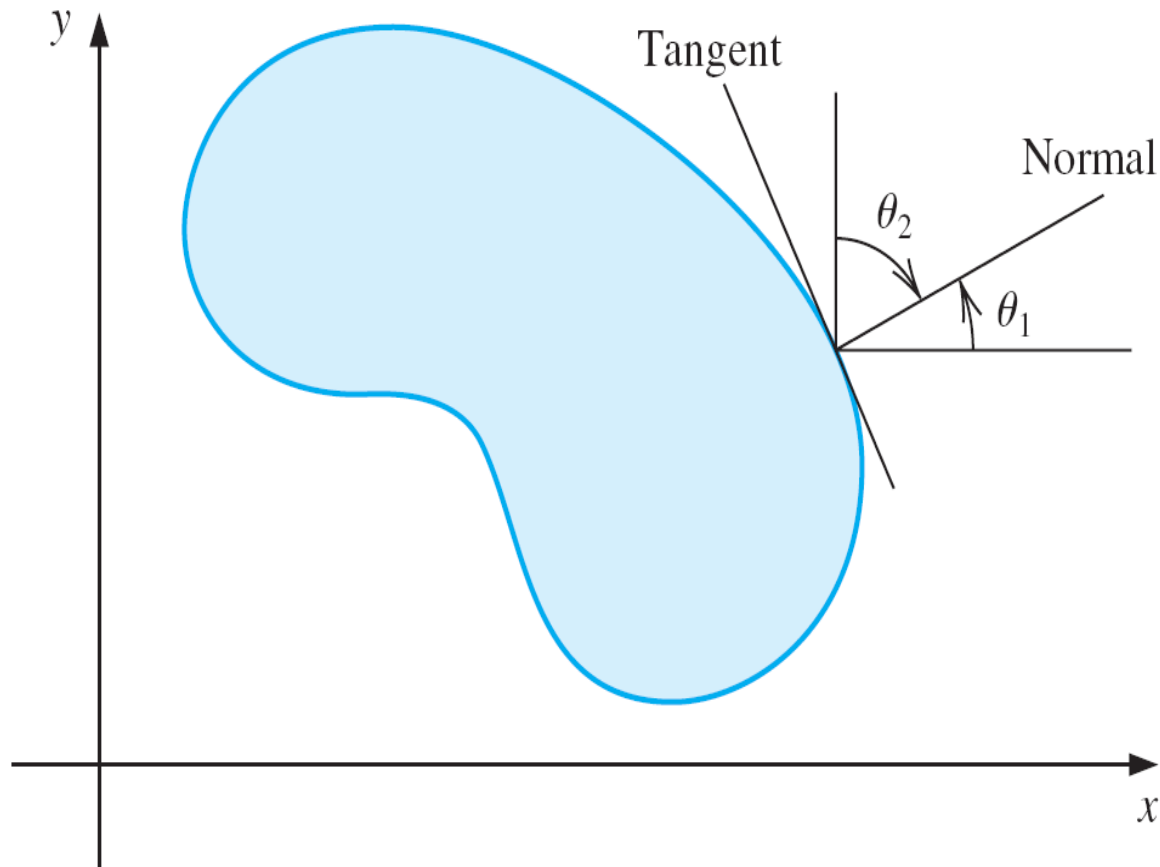


Figure 12.12

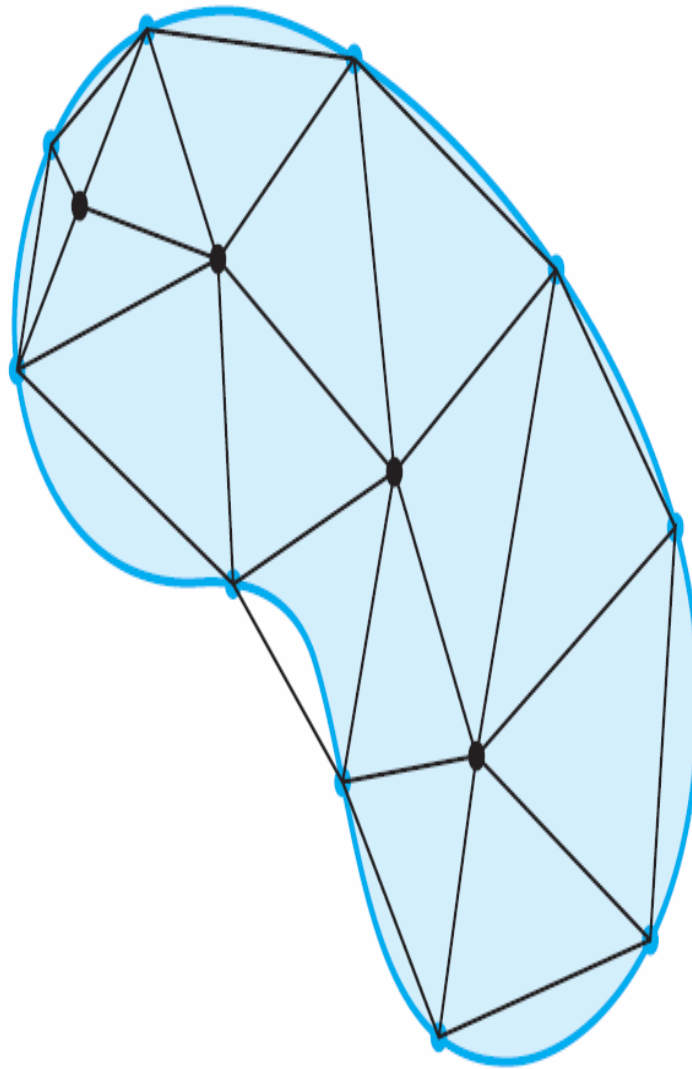


Figure 12.14

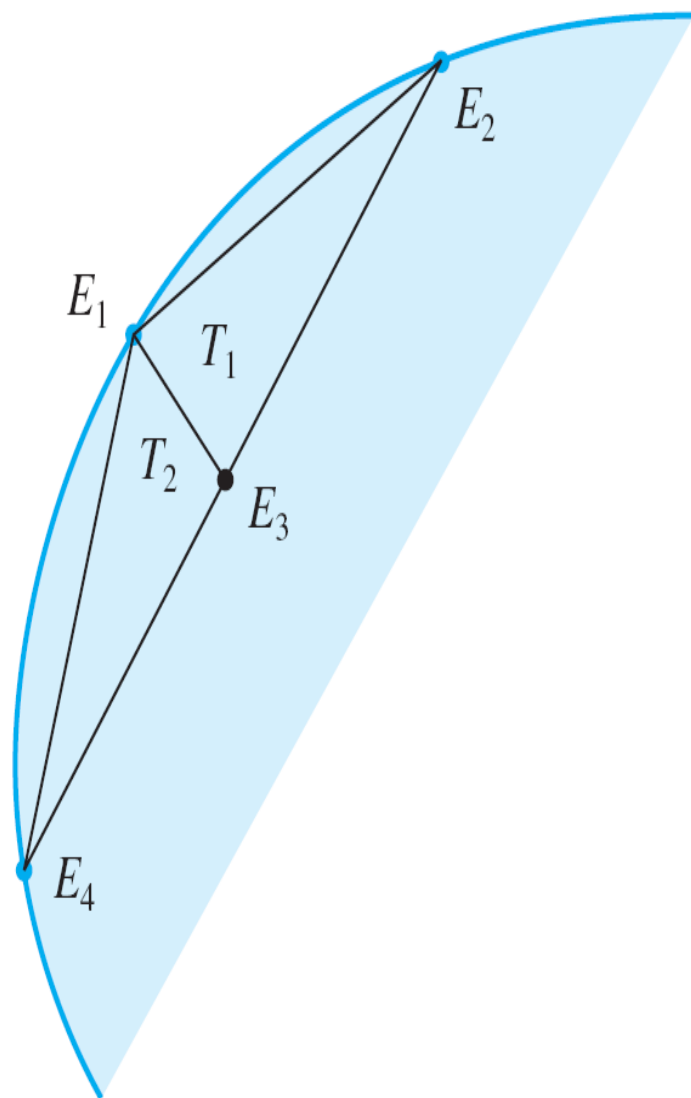


Figure 12.15

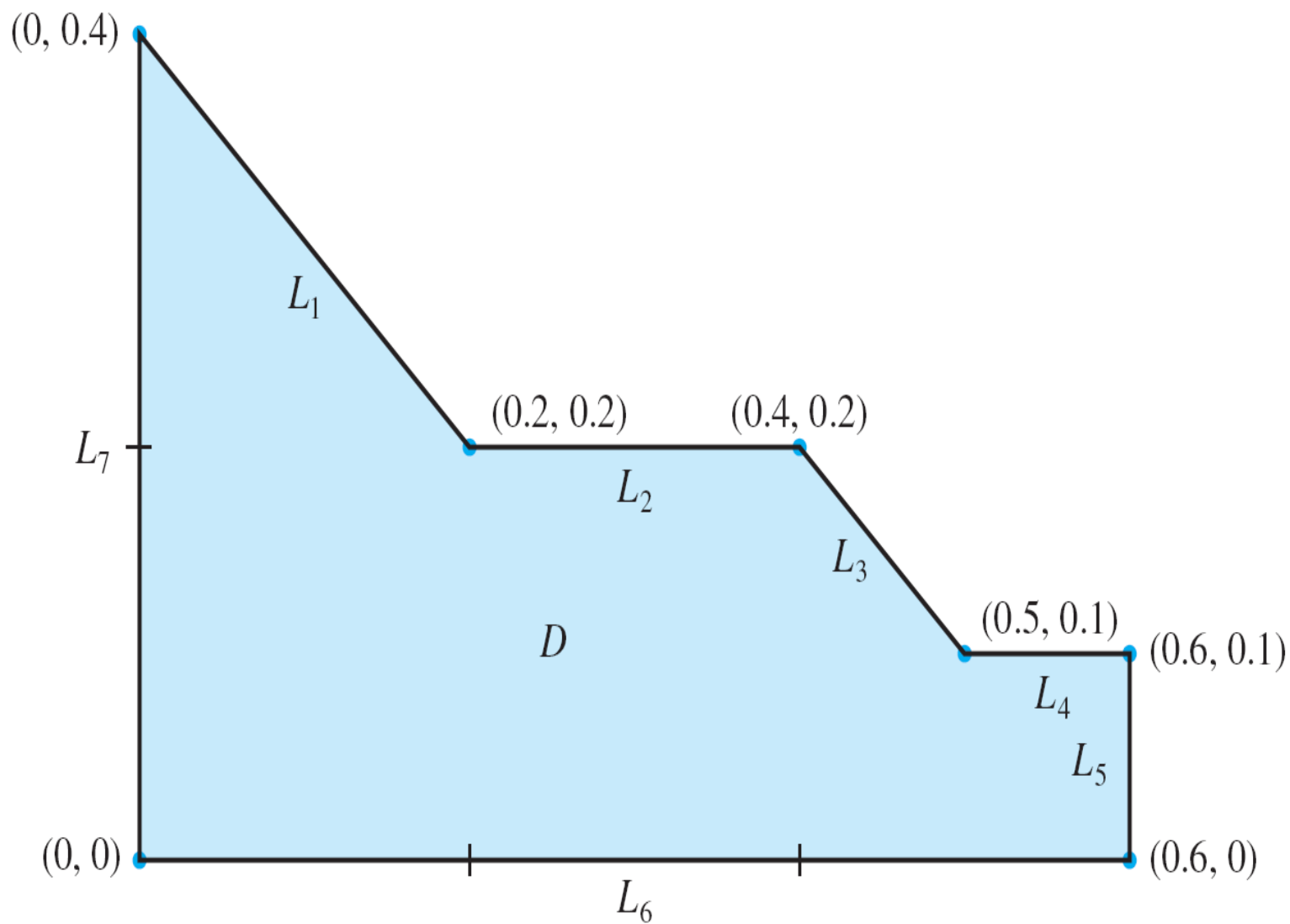


Figure 12.16

