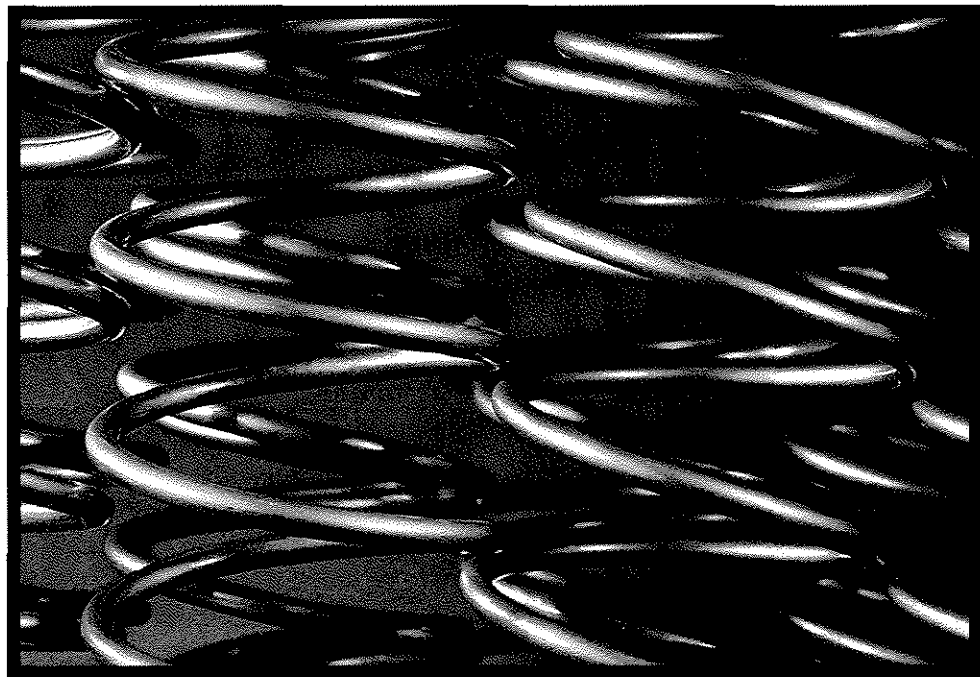


CHAPTER

12



The spiral coils of car springs

*Coming in this chapter:*

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**Exploration** By measuring people's feet and asking for their shoe size, find a formula relating foot length, in inches, to shoe size,

- a. for men;
  - b. for women.
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# MATHEMATICAL MODELING

- 12.1** The U.S. Population, 1890-1990
- 12.2** The Median-Median Line
- 12.3** Safe Driving
- 12.4** Mathematical Models in Science
- 12.A** *THINKING/WRITING:*  
Equations from Data
- 12.5** Modeling Motion
- 12.6** Gearing Up
- 12.7** Iterating Linear Functions
- 12.8** Representing Functions
- 12.B** *THINKING/WRITING:*  
V-Shaped Graphs
- ◆ Essential Ideas