

## **8 Root Locus**

In Chapter 6, we began the study of the stability of control systems by presenting two techniques: direct substitution and Routh's test. This chapter and the following one continue with this study. Specifically, this chapter presents the root locus technique, and Chapter 9 presents the frequency response techniques. This presentation is made from a practical point of view, stressing what the techniques indicate about stability of the processes and how the different loop terms affect the stability.