

## **Part III**

# **A Toolbox to Do the Job**

Some troubleshooting tasks involve multiforms and require a specific procedure to first identify the nature of the troubleshooting and then follow a certain procedure to fix the numerical issues or difficulties. The following chapters will provide a toolkit of the main troubleshooting procedures commonly met in structural analyses in order to fix an error or warning message. Numerical criteria will be discussed regarding some specific cases. Finally, some methods of carrying out control checks will be given in the case of users needing help to perform a specific task in order to minimize troubleshooting from sub-modeling, a restart, or shell techniques analyses.