1. Introduction to MATLAB

1.1 When these statements are executed, the results are as shown below:



Exercises 1.2 through 1.3 are procedural exercises, and do not appear in this Solutions Manual.

1.4 A MATLAB Command Window session that evaluates the specified expressions is shown below. In this and all future exercises, user inputs are shown in bold face.

>> u=1; >> v=3; >> (4*u)/(3*v) ens = 0.4464 >> (2*v^-2)/(u+v)^2 ens = 0.0139 >> v^3/(v^3-u^3) ens = 1.0385 >> (4/3)*pi*v^2 ens = 37.6991

1.5 A MATLAB Command Window session that evaluates the specified expressions is shown below. Note that it is just as easy to calculate expressions with real and complex results.

Matlab Exercises With Solutions Manual

Ying Liu

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