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in both Engineering and

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to engineering students
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allowing you to perform engineering calculations and plot data. However, MATLAB is more than an advanced scientific calculator, for example MATLAB's sophisticated numerical computation environment also allows us to analyze data, simulate engineering systems, document and share our code with

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Steps 10.3 Summary of

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11.1 Plotting in General

11.2 2-D Plotting 11.3

3-D Plotting 11.4

Surface Plots 11.5

Interacting with Plotted

Data. 11.6 Engineering

Example ...

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MATLAB specific skills that students are expected to be proficient at are: write scripts to solve engineering problems including interpolation, numerical integration and regression analysis, plot graphs to visualize, analyze and present

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3 “The Use of
Mathematical Software
packages in Chemical
Engineering”, Michael
B. Cutlip, John J.
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Mordechai Shacham,
Workshop Material
from Session 12,
Chemical Engineering

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Summer School,

Snowbird, Utah, Aug. ,

1997. ML-2 MATLAB

Problem 1 Solution A

function of volume,

$f(V)$, is defined by

rearranging the equation

and setting it to zero.

$pV^3 + b V^2 + R T V^2 +$

$a V \dots$

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and are useful

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