**Attaway MATLAB 3E List of M-files**

**(Listed in chronological order)**

**Chapter 1:**none

**Chapter 2:**

none

**Chapter 3:**

Scripts:

script1

circlescript

printvec

circleIO

plotonepoint

plot2figs

sinncos

timetempprob

circleCallFn

Functions:

calcarea

calcareaii

conevol

cylcost

**Chapter 4:**

Scripts:

sqrtifexamp

sqrtifexampii

checkradius

switcherror

pickpizza

pickpizzaifelse

Functions:

createvec

calcy

findargtype

letgrade

switchletgrade

myisletter

**Chapter 5:**

Scripts:

forecho

subplotex

printstars

printtristars

printloopvars

createmulttab

sumonlypos

findvalwhile

findval

whileposnum

countposnum

readonenum

readnnums

readoneint

readoneposint

badcode

fortictoc

tictocprealloc

Functions:

sumnnums

forinputvec

multtable

factgthigh

myfact

myveccumsum

matcolsum

signum

myminvec

xxx

yyy

testvecgtn

testvecgtnii

Data Files:

datavals.dat

experd.dat

**Chapter 6:**

Scripts:

calcareacirc

calcareaperim

calcapndprintarea

rectarea

eapplication

mysumscript

mysumscriptii

persistex

runtimeEx

debugthis

mainscript

sinncosCells

Functions:

areacirc

breaktime

printem

calccircum1

calccircum2

printrand

printrandnp

stringprompt

readradius

calcarea

printarea

readlenwid

printrectarea

eoption

explaine

limite (subfunction askforn)

expfn (subfunction appex)

mysum

func1

func2

testifelse

getvals

calcz

printall

**Chapter 7:**

Scripts:

plotexpno

midpoint

phraseblanks

angleDorR

Functions:

entercoords

findmid

countblanks

separatedate

**Chapter 8:**

Scripts:

none

Functions:

calcprof

calcprof2

printpackages

printAves

strpoint

printcylvols

**Chapter 9:**

Scripts:

fileex

textscanex

fileInpCompare

Functions:

none

Data Files:

subjexp.dat

xypoints.dat

**Chapter 10:**

Scripts:

none

Functions:

fnfnexamp

fnstrfn

areacirc

areafori

areafori2

typesize

mysize

converttemp

converttempii

nestedvolume

fact

prtwords

recurfn

**Chapter 11:**

Scripts:

subplottypes

loopsubplot

sinmovie

barwidths

plotdivab

compsalesbarpie

Functions:

plotxywithcell

**Chapter 12:**

Scripts:

none

Functions:

mymean

mysort

mystructsort

generalPackSort

createind

printpackind

seqsearch

smartseqsearch

binsearch

recbinsearch

**Chapter 13:**

Scripts:

chirptrain

Functions:

simpleGui

guiWithEditbox

guiWithPushbutton

guiSlider

guiMultiplierIf

guiWithTwoPushbuttons

guiSliderPlot

guiSliderImage

simpleGuiNormalized

guiWithButtongroup

**Chapter 14:**

Scripts:

polytemp

polytempsubplot

Functions:

addcomp

mytrace

trapint

trapintn