astrochron design (all available functions)

astrochron

data prep.

arcsinT
cosTaper
demean
detrend
divTrend
dpssTaper
gausTaper
hannTaper
linterp
logT
noKernel
noLow
pad
prewhiteAR
prewhiteAR1
rankSeries
resample
sortNave
trim
trimAT

spectral analysis

eha
hilbert
integratePower
lowspec
mtm
mtmAR
mtmML96
periodogram
plotEha
tones

astrochronologic testing and time scale construction

anchorTime
asm
bergerPeriods
constantSedrate
eAsm
eAsmTrack
etp
freq2sedrate
getLaskar
linage
sedrate2time
testPrecession
timeOpt
timeOptSim
timeOptPlot
trackFreq
traceFreq
tune

filtering

bandpass
lowpass
mwStats
noKernel
noLow
taner

data visualization and general R tools

autoPlot
cb
delPts
extract
flip
getColor
headn
idPts
iso
peak
pl
plS
plotEha
read
readMatrix
repl0
replEps
rmNA
timeOptPlot
trough
writeCSV
writeT
xplot
zoomIn

radioisotope geochronology

stepHeat
wtMean

other stats

mwCor
mwStats
mwin
s
slideCor
strats
surrogateCor

modeling and educational tools

ar1
ar1etp
armaGen
clipIt
cycles
sedRamp
surrogates

data sets

getData
modelA

astRochron

A computational tool for astrochronology

S.R. Meyers, University of Wisconsin-Madison

version 0.7 (June 14, 2017)