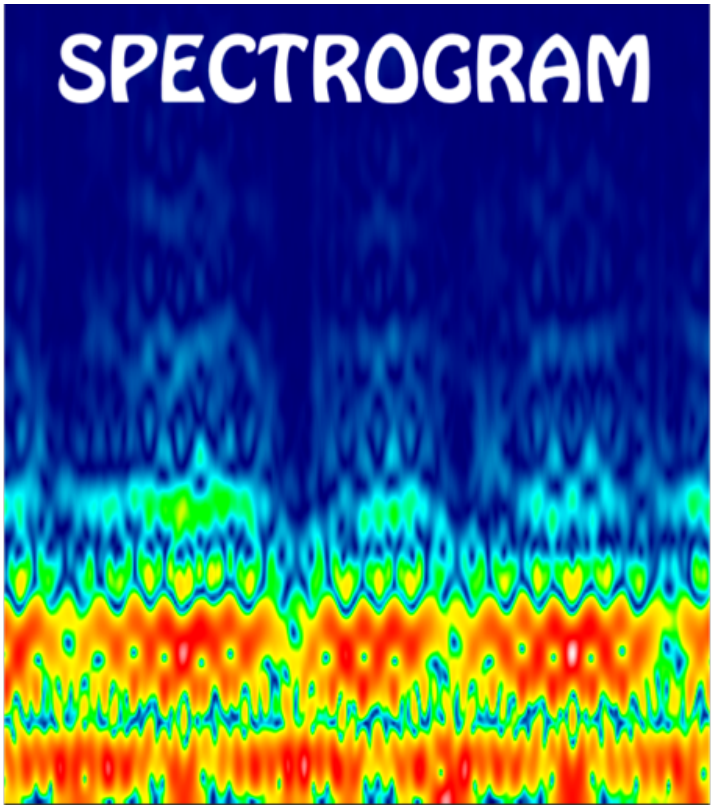
Spectrogram



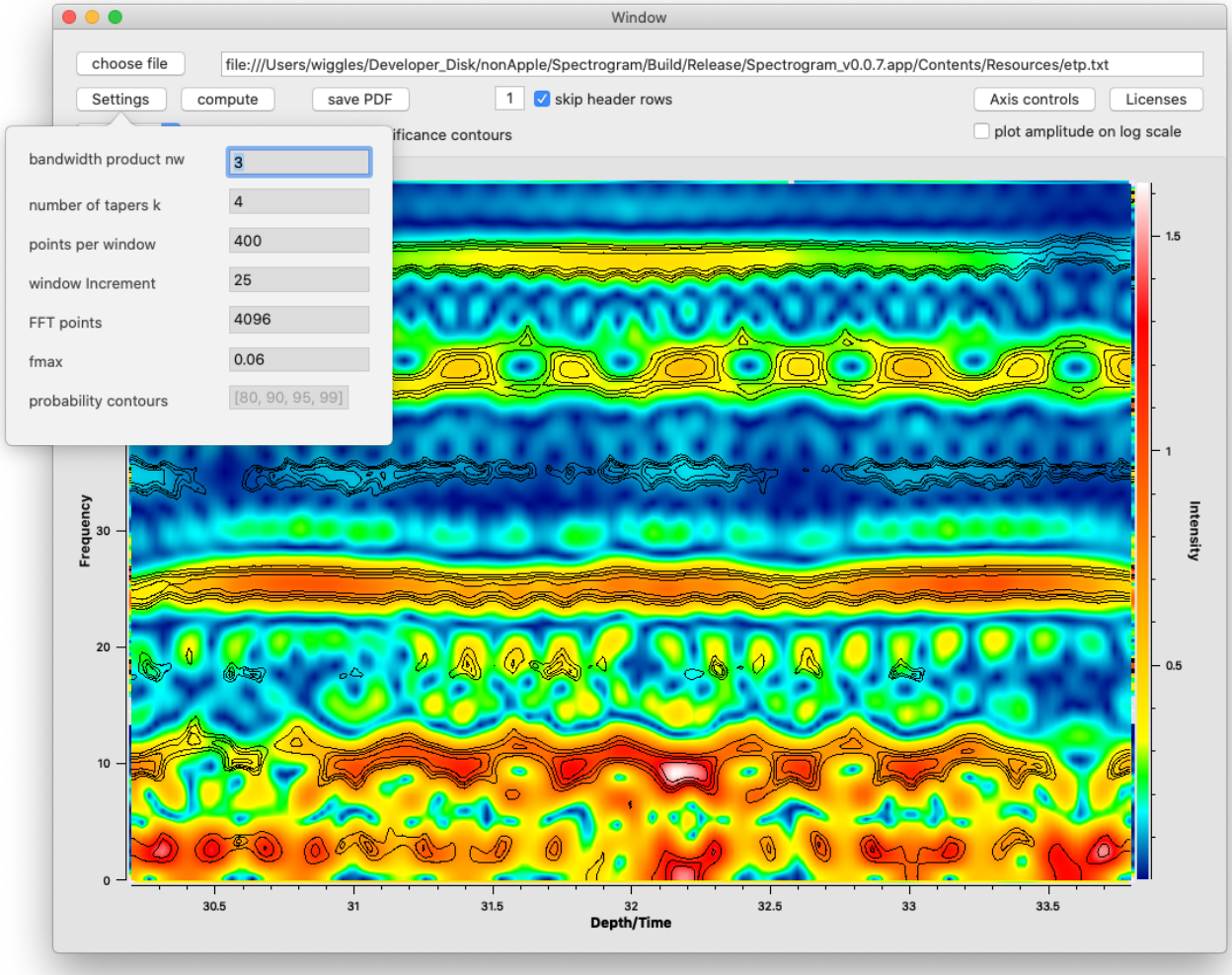
A macOS tool to compute the Thomson Multitaper evolutive spectrum from a tab-separated text file.

For now, the time or depth series needs to be equally spaced / interpolated. No checking of parameter settings is implemented.

written 2019, Heiko Pälike. Download disk image here:

Spectrogram 0.0.7b.dmg (built for macOS 10.15)

Screenshot: (a simple ETP dataset is included by simply pressing compute without selecting a file)


Window
choose file
file:///Users/wiggles/Developer_Disk/nonApple/Spectrogram/Build/Release/Spectrogram_v0.0.7.app/Contents/Resources/etp.txt
Settings
compute
save PDF
1
skip header rows
Axis controls
Licenses
plot amplitude on log scale
bandwidth product nw
3
number of tapers k
4
points per window
400
window Increment
25
FFT points
4096
fmax
0.06
probability contours
[80, 90, 95, 99]
Frequency
Depth/Time
Intensity
0
10
20
30
30.5
31
31.5
32
32.5
33
33.5
0.5
1
1.5