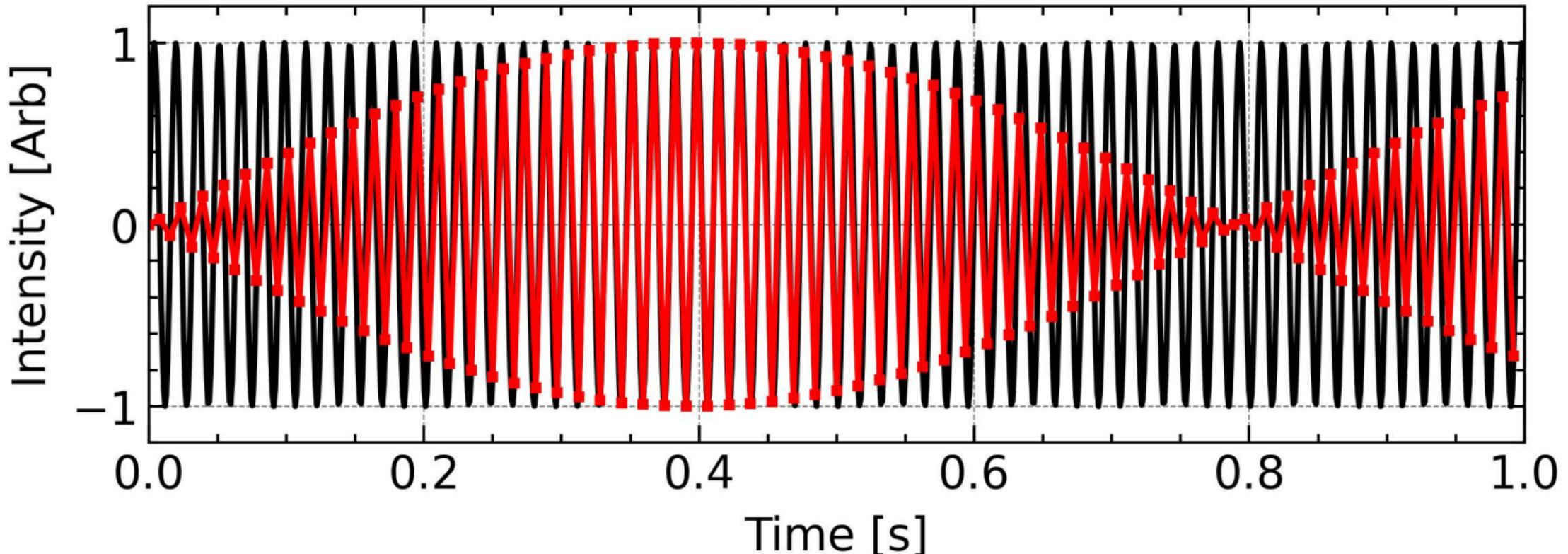


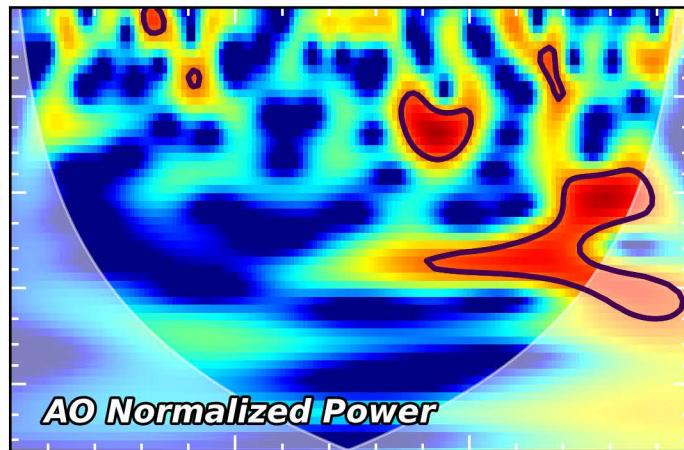
Aliasing
 $f_0 = 63.4\text{Hz}$

$\text{---} \bullet f_s = 128 \text{ Hz}$
 $\text{---} \quad f_s = 1024 \text{ Hz}$

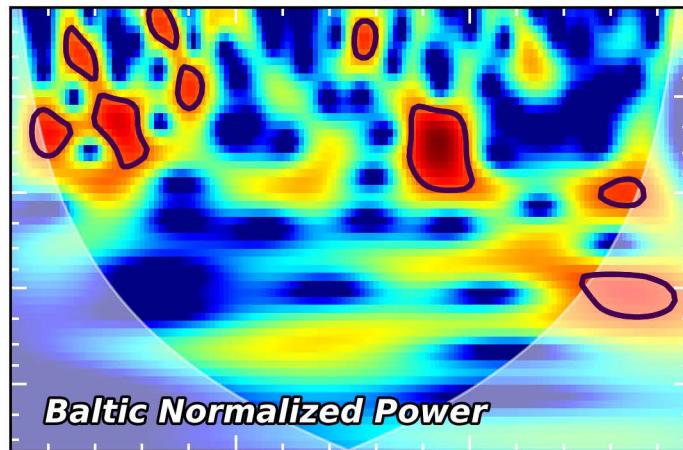


Wavelet analysis of the Arctic Oscillation (AO) and Baltic Sea ice extent

Period [year]

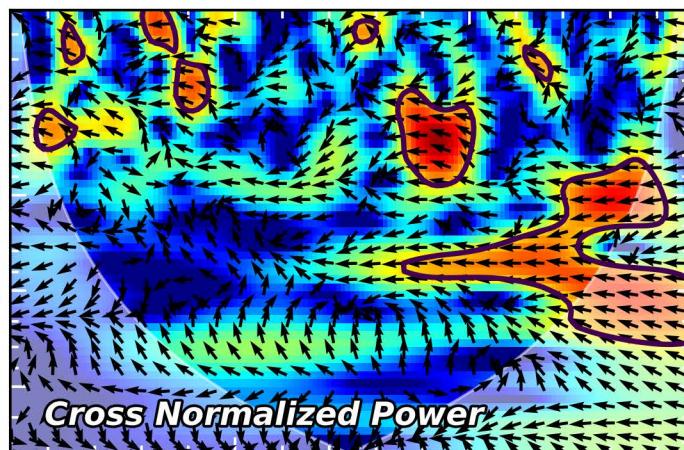


AO Normalized Power

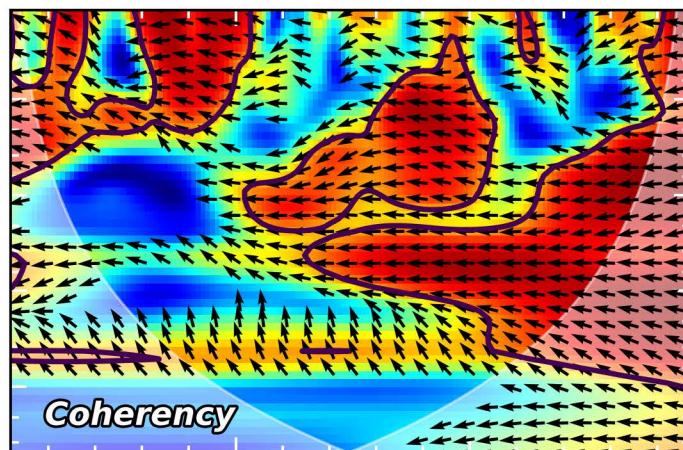


Baltic Normalized Power

Period [year]



Cross Normalized Power



Coherency

1900 1950

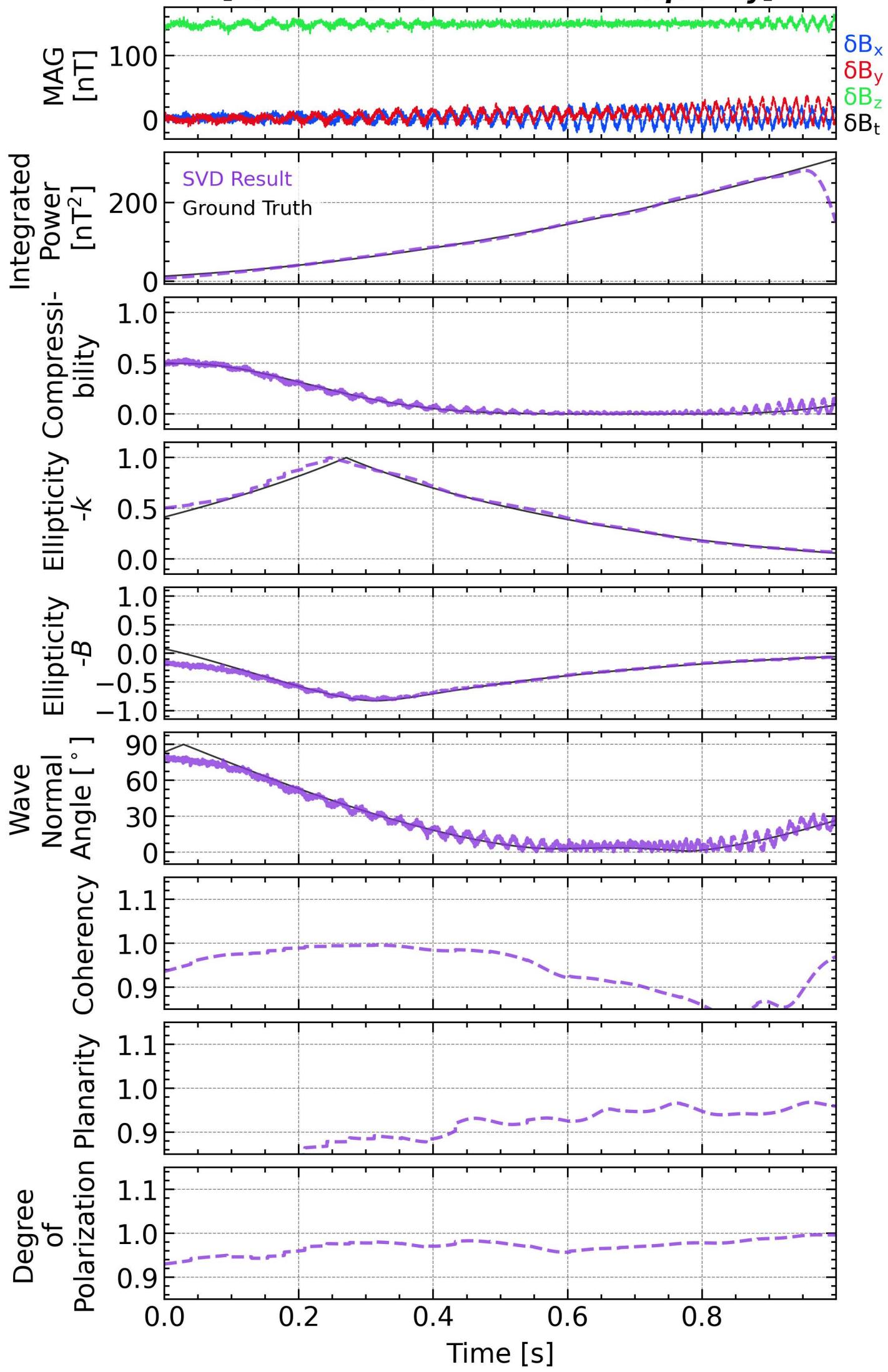
Year

1900 1950

Year

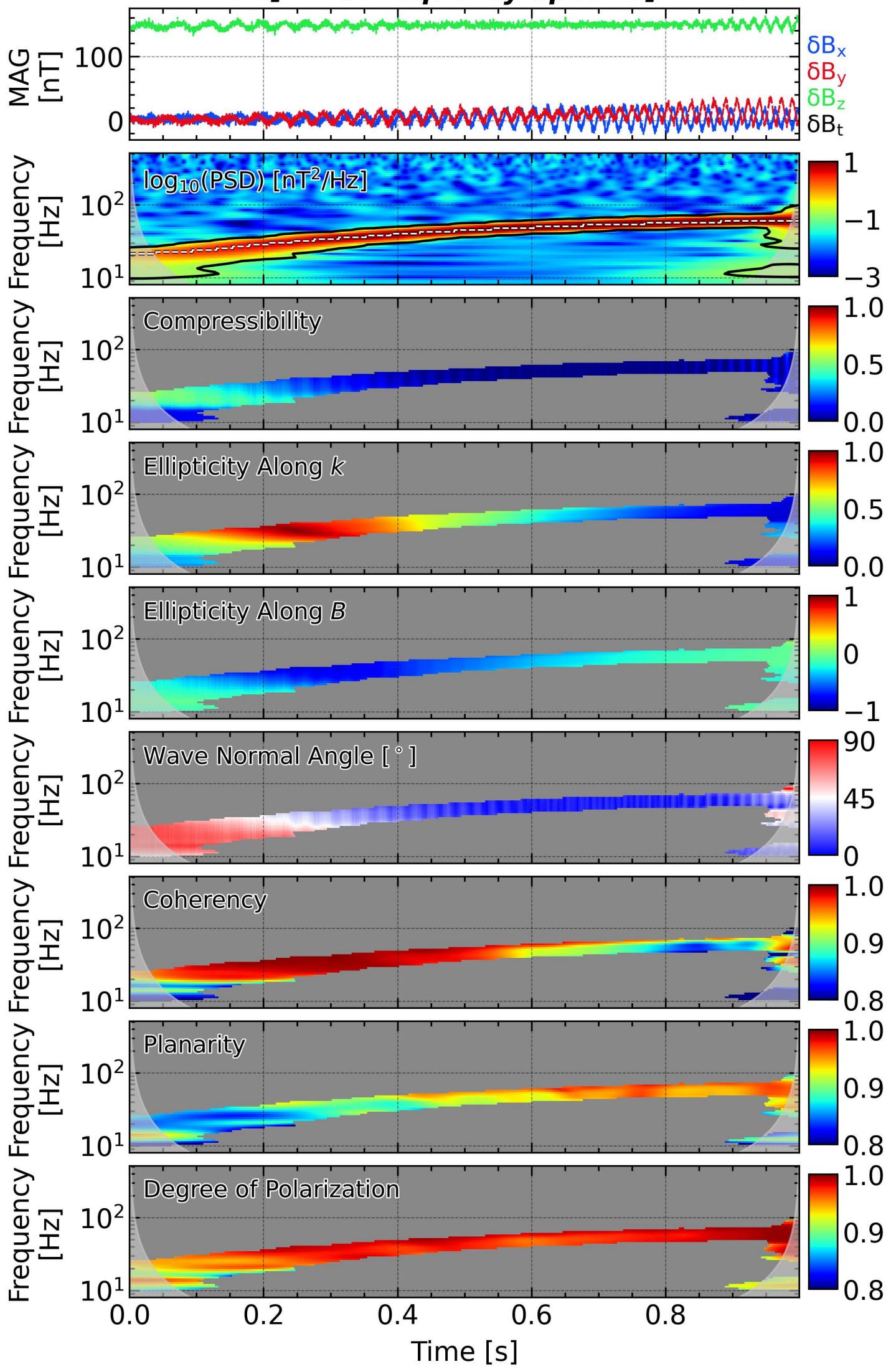
Test on Artificial Signal

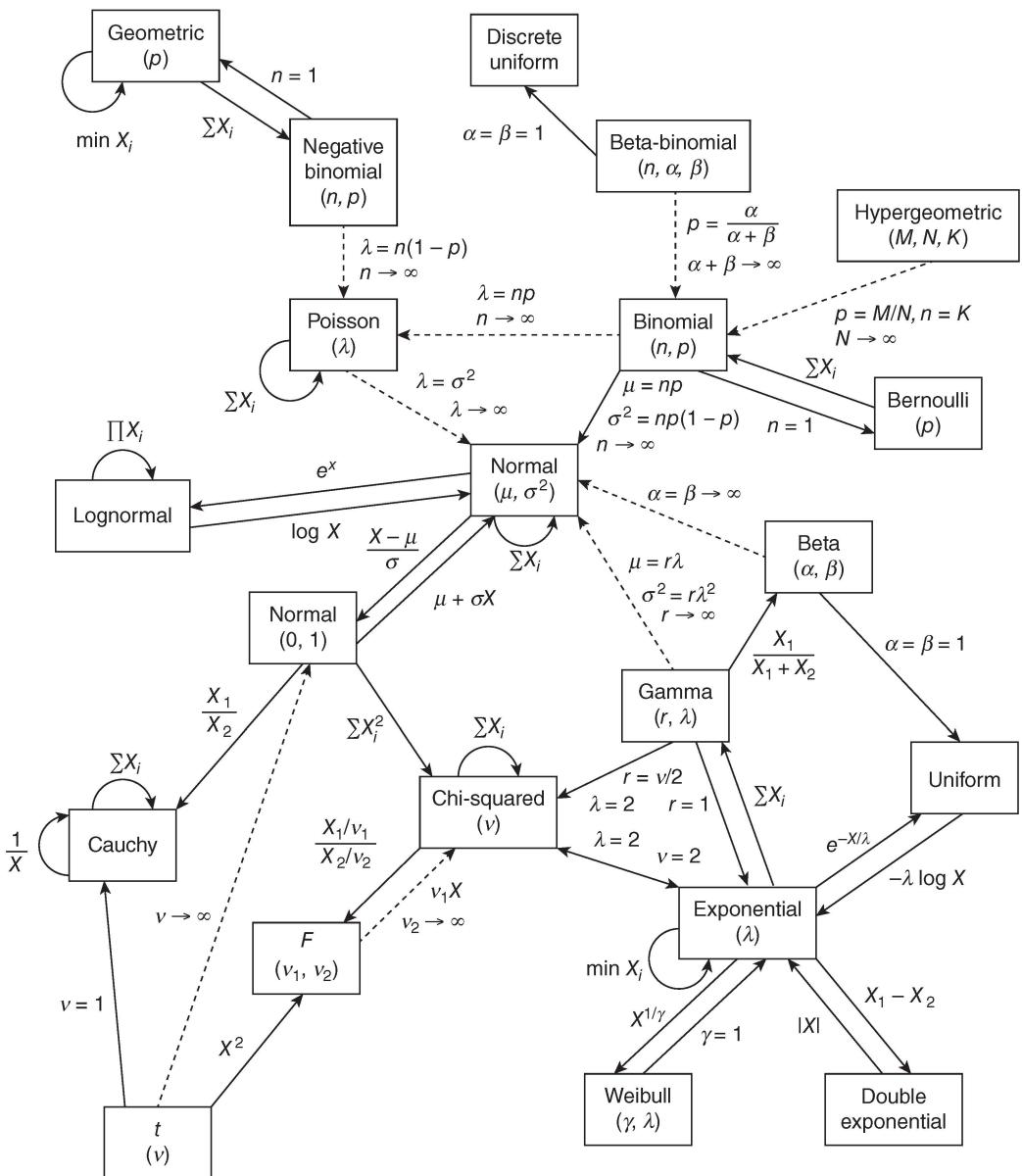
[Parameters at Peak PSD Frequency]



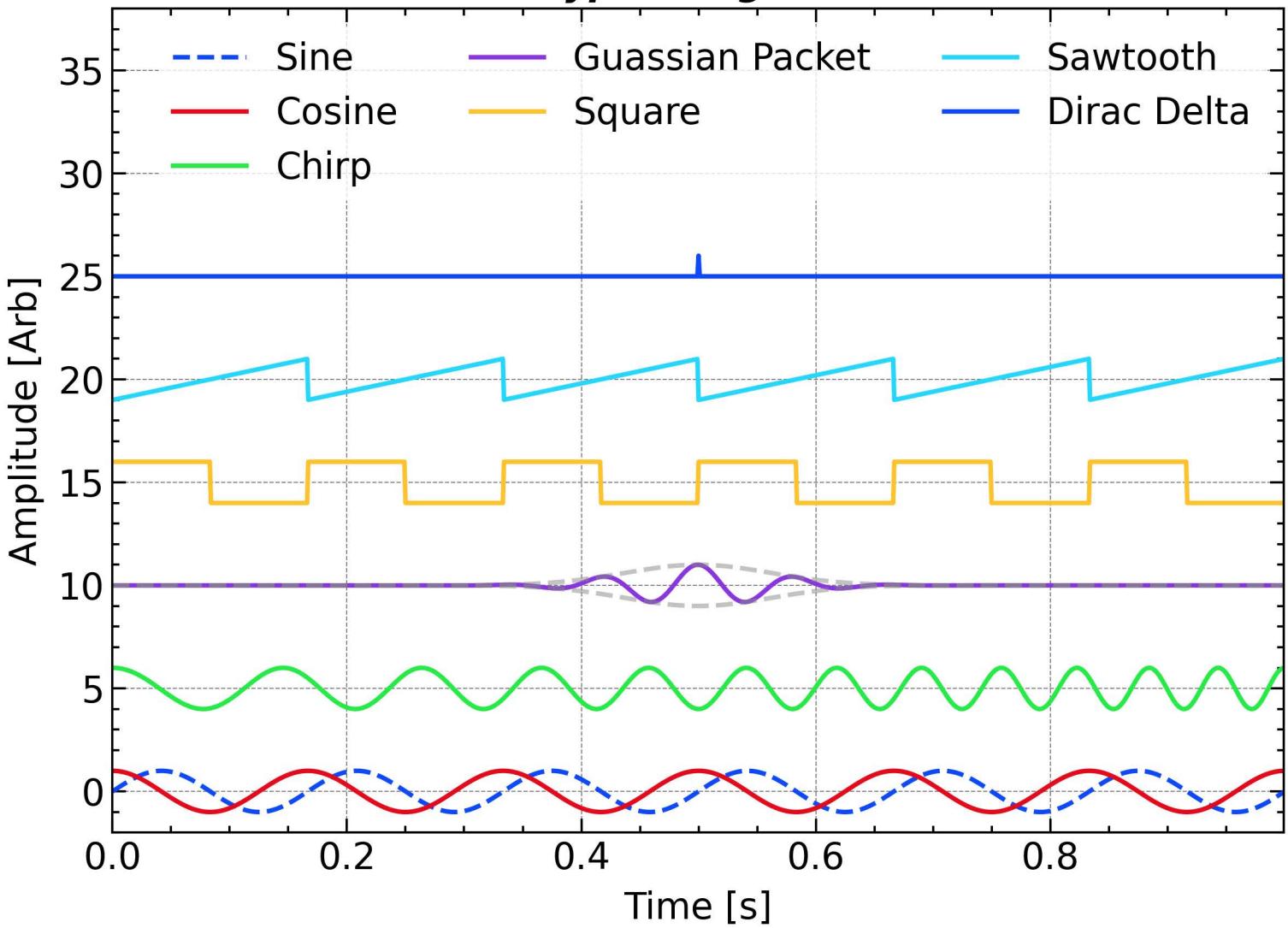
Test on Artificial Signal

[Time-Frequency Spectra]

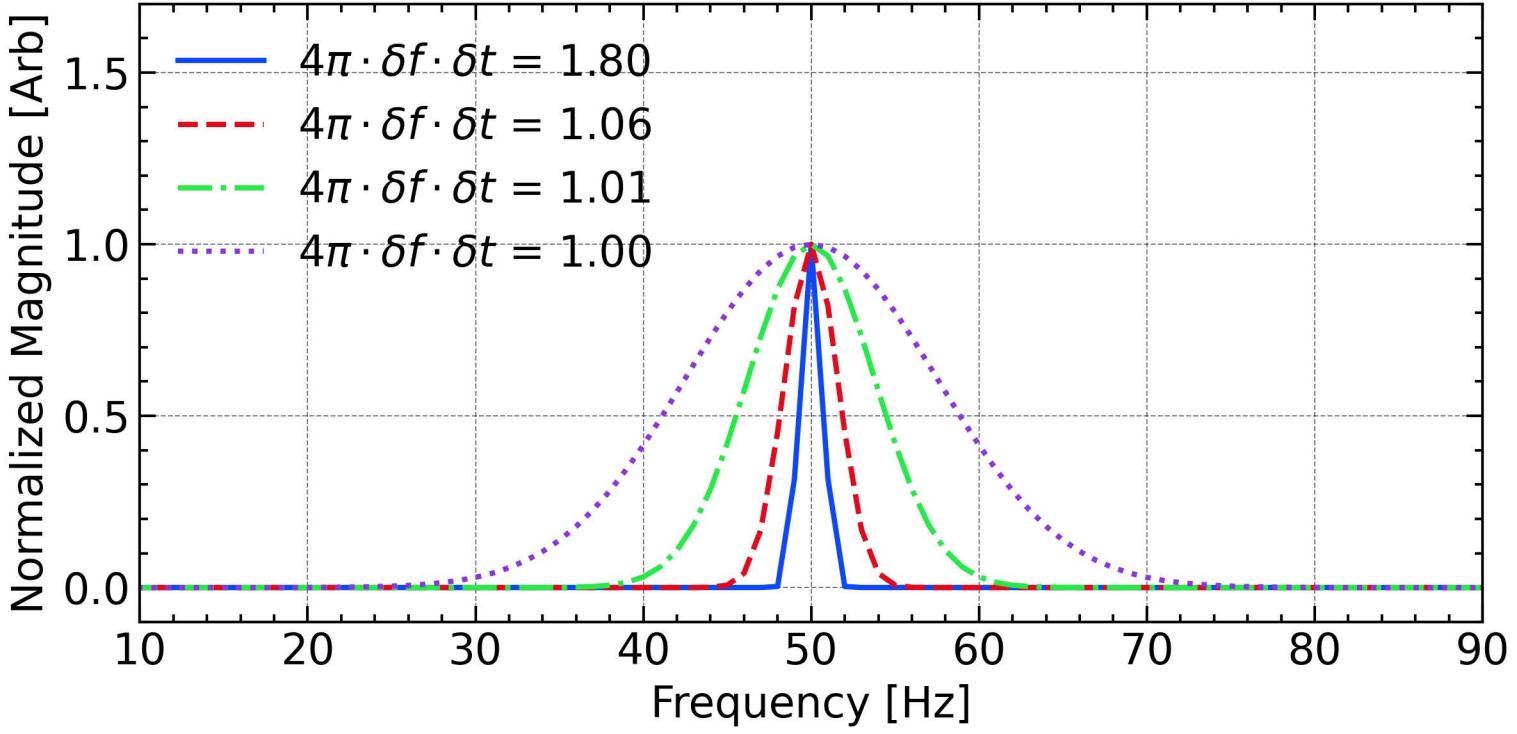
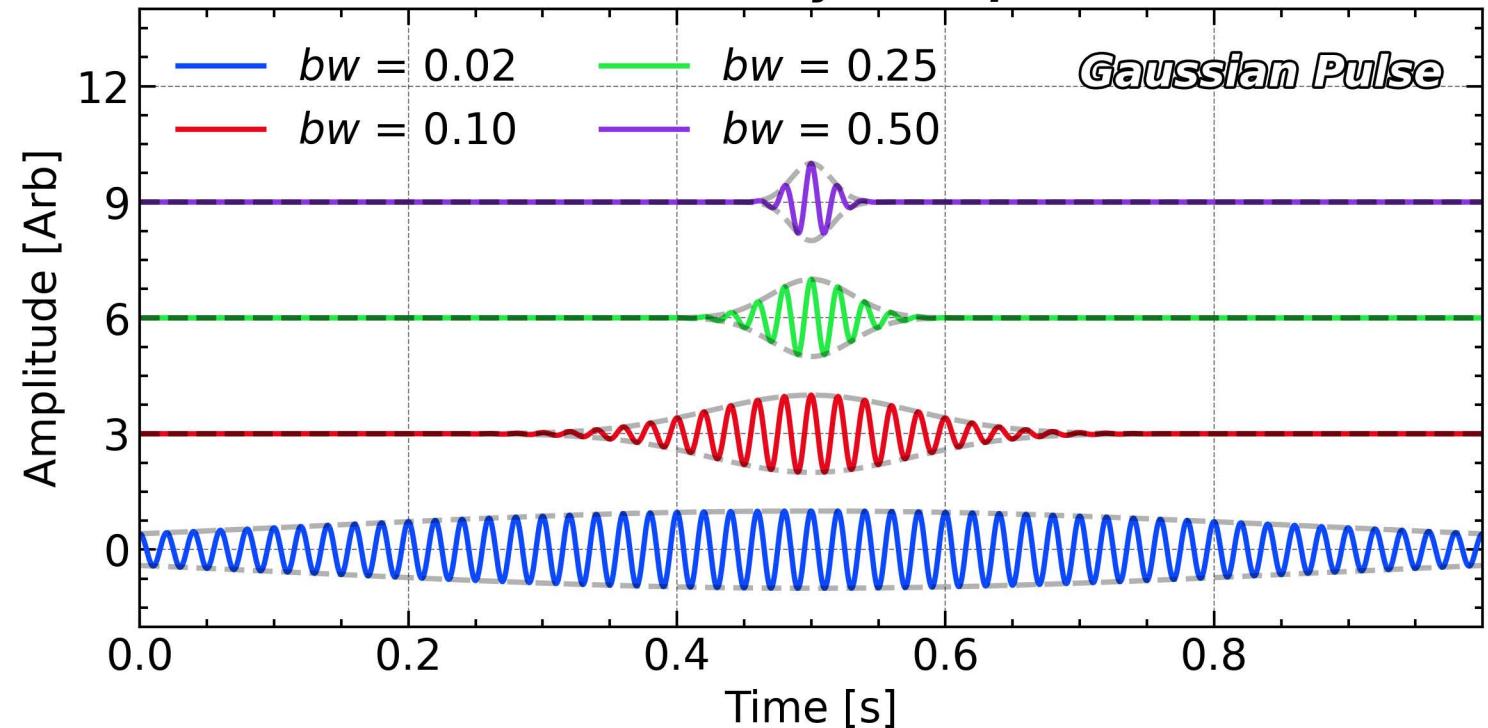




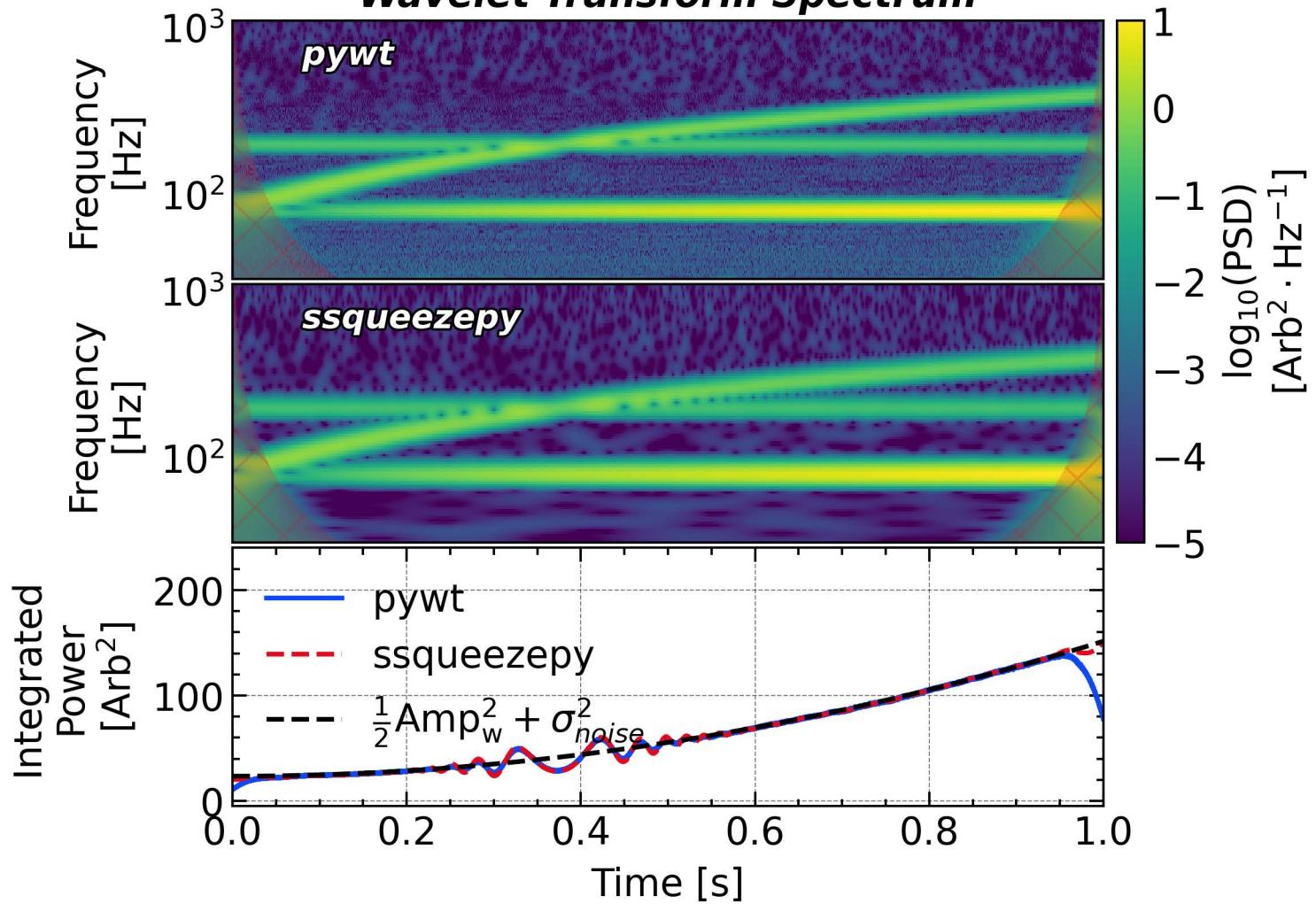
Typical Signals

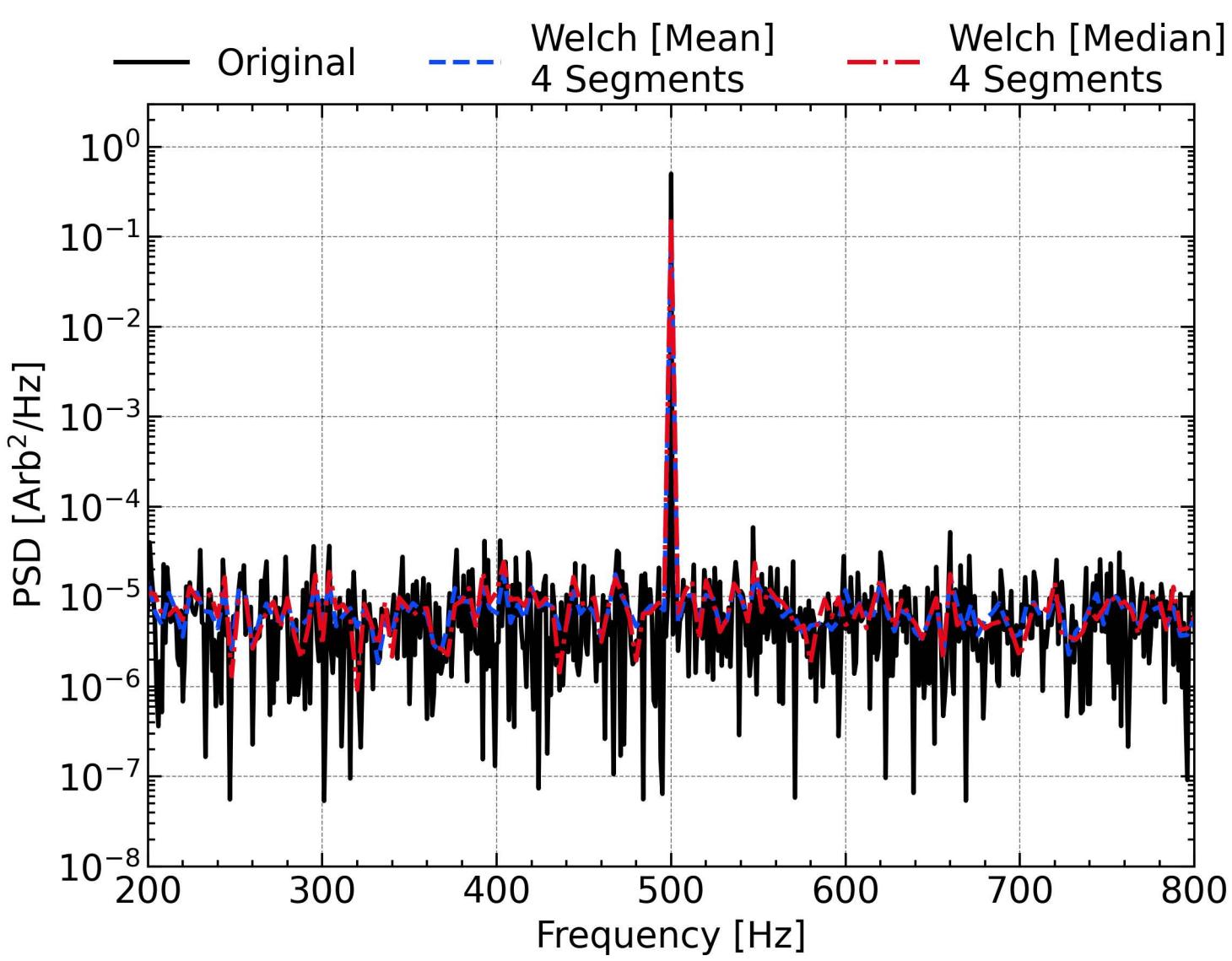


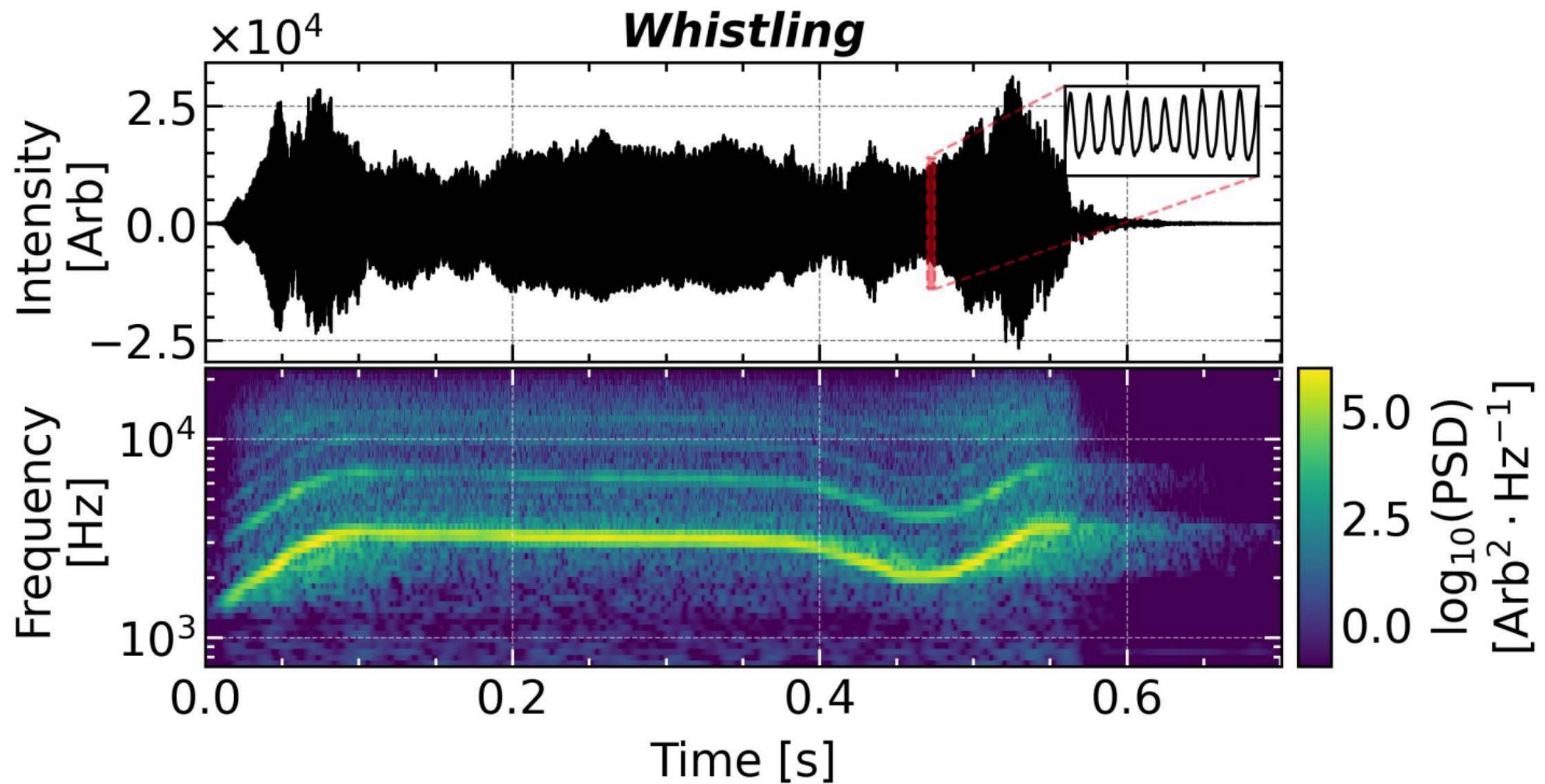
Uncertainty Principle



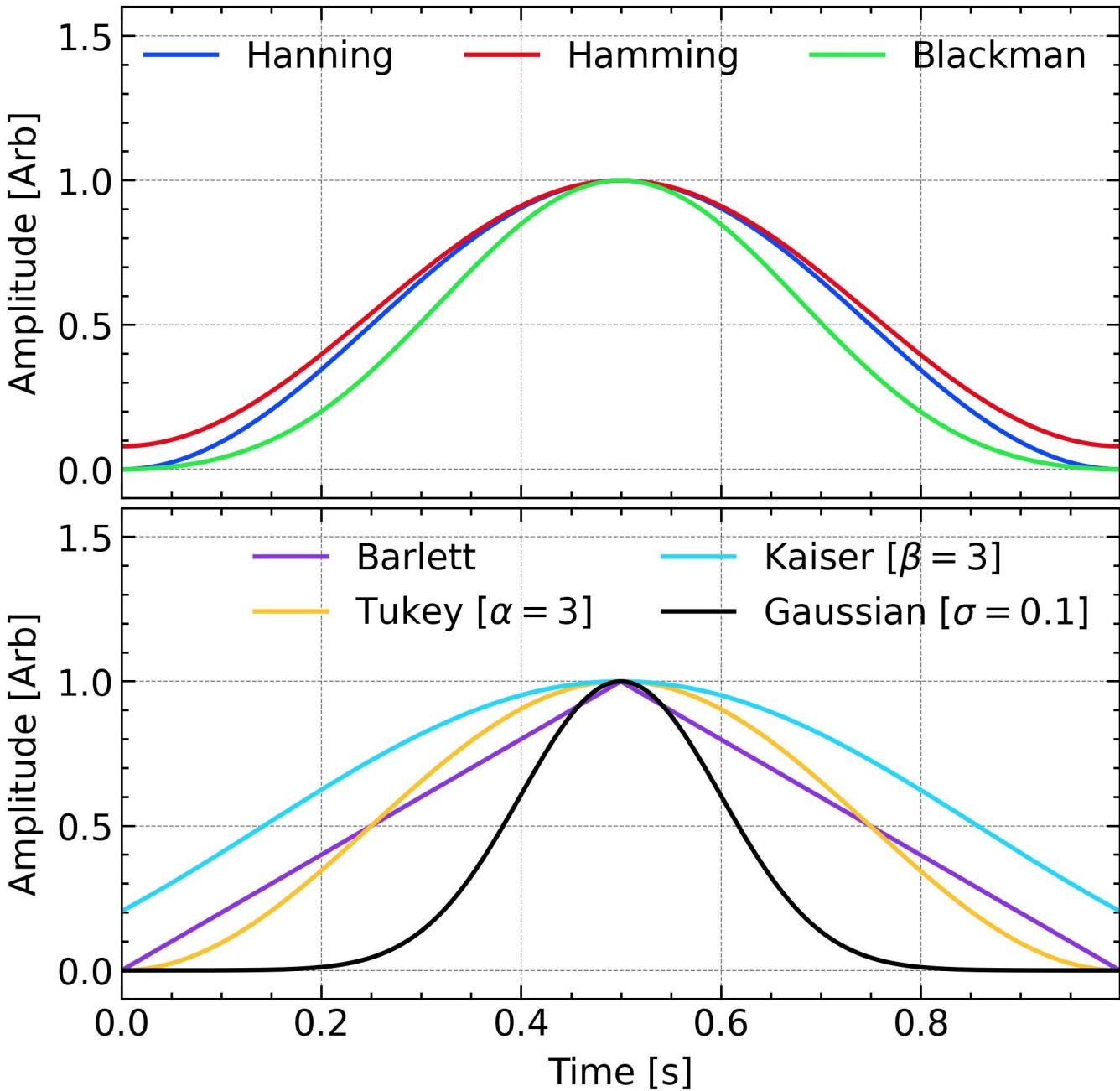
Wavelet Transform Spectrum



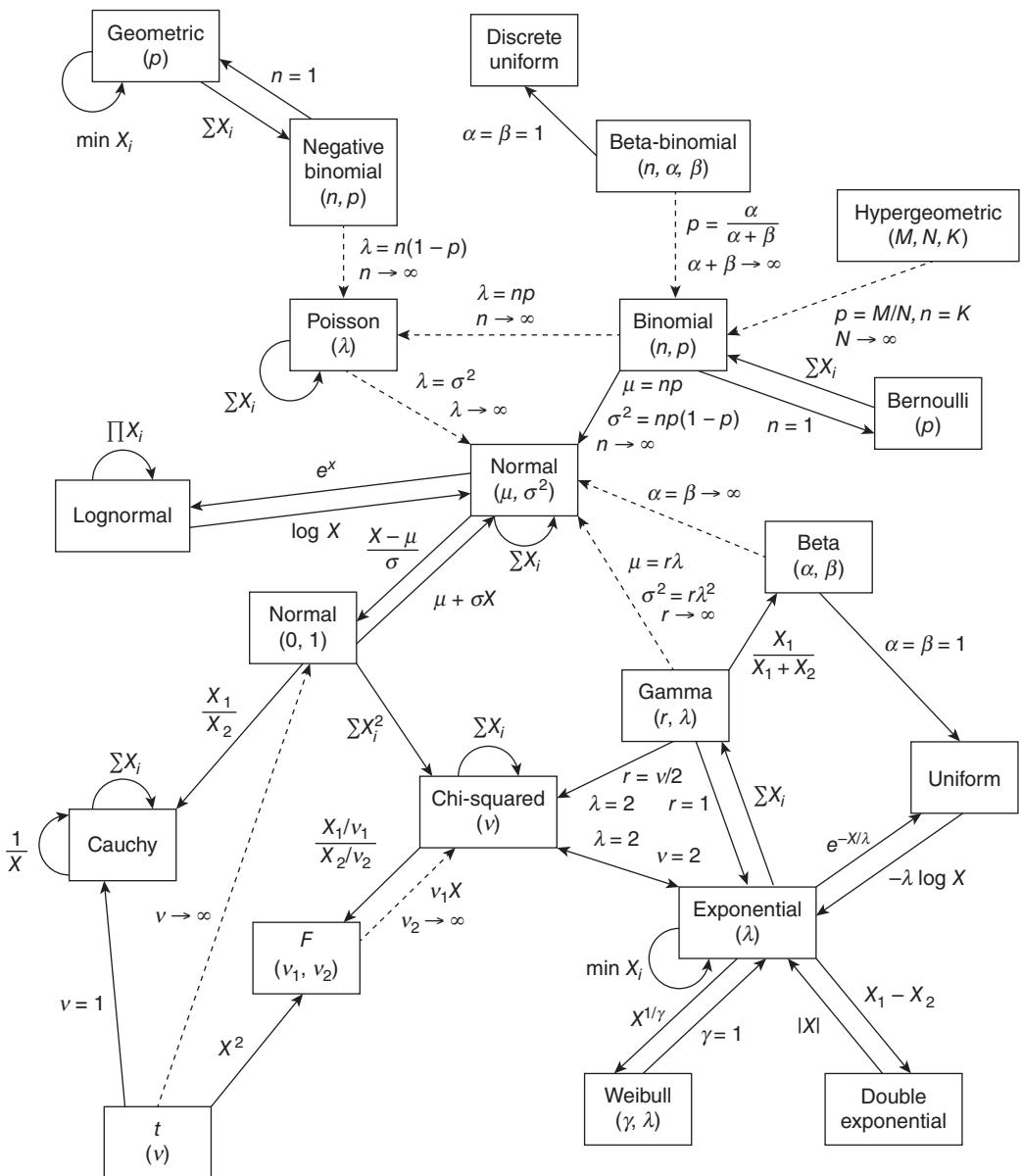




Window Functions







Wavelet transform

