(power spectrum density of all 30 channels) – this was the feature extraction method in one of the music recognition within EEG signal analysis.

Blackman window – sleep detection used alongside stft?

Stft using 1024 and 15s windows

**Distinguishing mental attention states of humans via an EEG-based passive BCI using machine learning methods**

The spectrum as it gets created, save it and then close it.

Save the whole output so we don’t have to rerun stuff later

Pay attention to both real and imaginary numbers when regarding the outputs

Phase and amplitude

Estimating overall power of the output

Start testing and saving outputs to keep for machine learning later, make sure to keep both the real and the imaginary components for the Fourier

To get the power this calculates both imaginary and real – save as a component – do smaller array and check the output to see what we have.