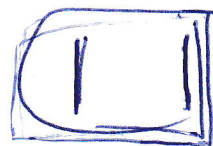
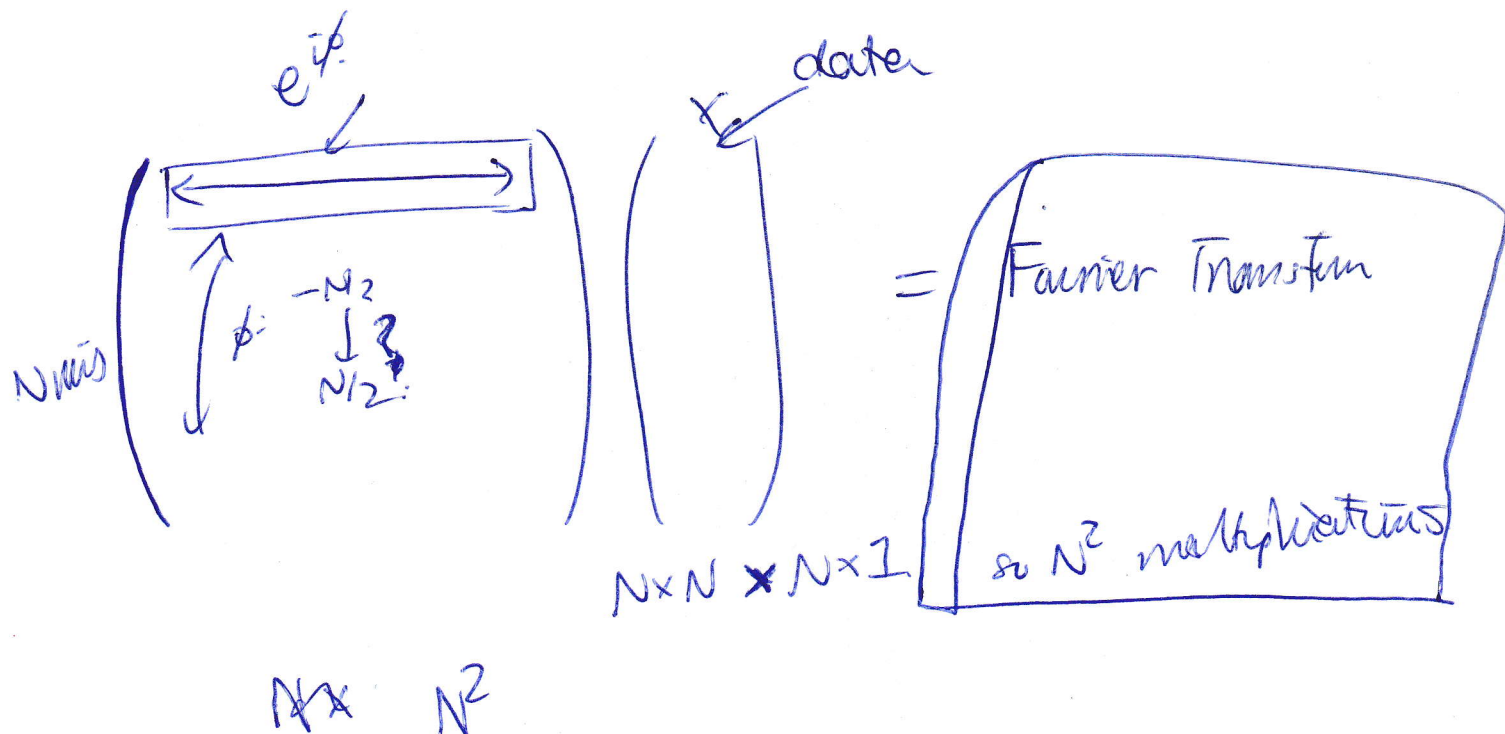


spectrogram



fft needs sequences to be a power of 2.
pads with zero.



$e^{i\phi}$ versus $e^{2i\phi}$ $N \log_2(N)$

dft acts as if signal were cyclic. do a periodic extension.

or

discrete 2D continuous Fourier transform

compare 512 FT with 600 FT