Discrete Fast Fourier Transform

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# Motivation

Why are we doing this?

# Program Structure/Approach

Talk about algorithms/implementation

# Expected results/improvements

Talk about how the parallelized approach will be faster/better. Mention complexity

# Results

Run code on multiple systems, multiple times.  
Compile results graphicaly.   
Identify and discuss improvements.  
Identify and discuss bottlenecks and potential solutions.

Discuss difference in performance between different systems (dedicated GPU vs integrated graphics)