

iCode is available at

<<https://github.com/ASU-CompMethodsPhysics-PHY494/final-2018-fourier-transforms/blob/18f27b24f447f759822a78eb78f68eab74755f70/transform2.py>>

#### Contributions:

All three group members worked on the home-made algorithm and designed/will design the poster as a group. Breakdown of contributions to Background, Methods, Results coming soon to a symposium near you

Lauren Farmer: Designed error calculation algorithm to compare FFT and HM algorithm to control quantitatively

Dakota King: Calculated harmonic oscillator, infinite square well, delta potential transforms by hand, tested the various methods for bugs on the different wave functions. Lead on poster design.

Jonah Shoemaker: Calculated free particle transform by hand, primary contributor to incorporation of the FFT function, incorporated HM algorithm, FFT, and control into one overall FT function