

## Objective:

- Understanding phononic transport mechanism in nano-semiconductors

## Problem:

- Solving requires numerous extensive calculations

## Approach:

- Rappture toolkit
- Develop GUI to communicate with the computational engine made in MATLAB
- Use existing prototype MATLAB computational engine written by Abhijeet Paul

## Results / Impact:

- The tool in development shows promising results
- Bugs and fixes still need to be dealt with prior to launch in nanoHUB.org

