Case Study: Requirements

- Users will modify code
- Users are busy and unused to docker
- Need to use host machine programs to edit code and view results
- Program are CPU-intensive but I/O-light
- Some components (e.g. Lapack) sensitive to CPU architectures

Case Study: Docker Approach

- Build Docker image packaging most dependencies
- Distribute Dockerfile to compile CPU-sensitive components locally
    - Builds upon global image we distribute
    - Users can add their own pieces easily
- Mount code directories from host machine
    - Can be edited from host
    - Outputs saved directly to host machine
- Provide simple scripts to build and launch