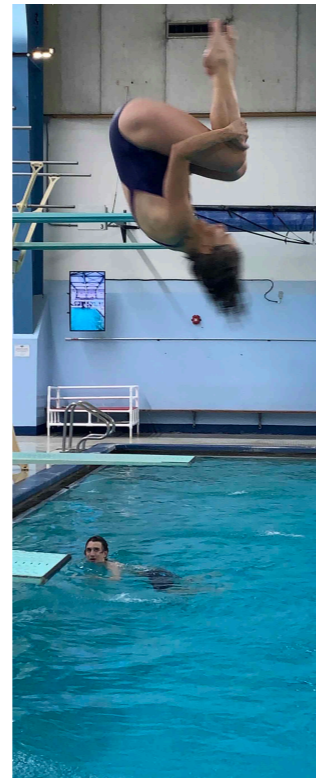


# Margaret Cheney

Colorado State University  
Fort Collins, CO



## Who am I?

- like to spend summers at government labs
- like helping connect students to jobs and internships
- hobbies: bike to work in all weather, hiking, tennis, ..., springboard diving
- bad knee injury a few years ago

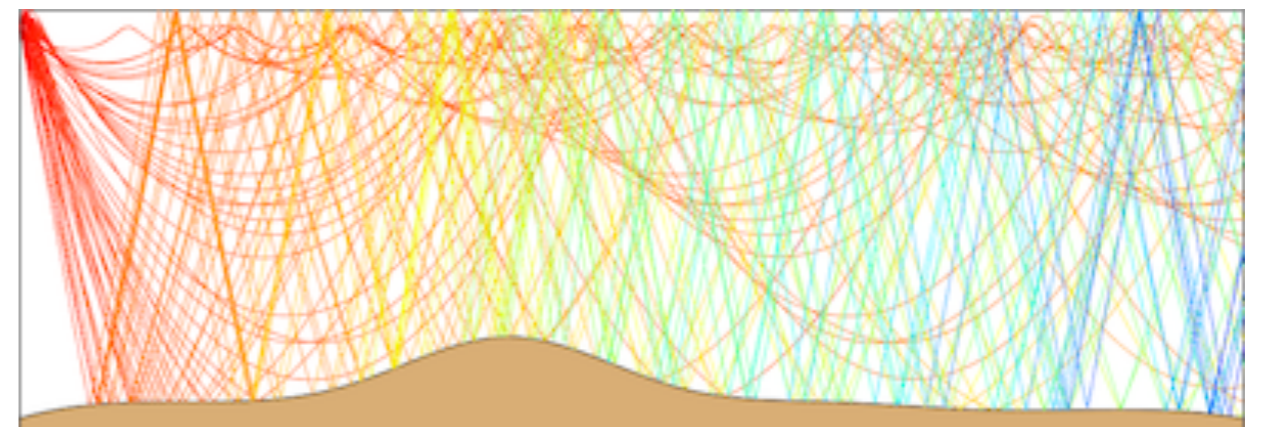
## Motivation:

Math tells us about the real world!

## Wave-based imaging: Radar & sonar



Courtesy of Sandia National Laboratories, Radar ISR



<https://uk.comsol.com/release/5.3/acoustics-module>