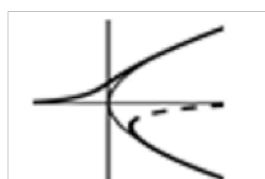
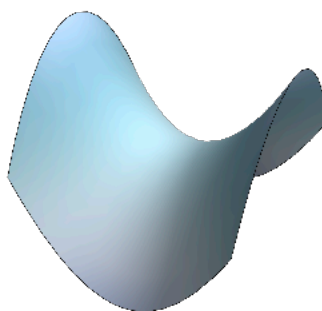


META-MATERIAL MACHINES

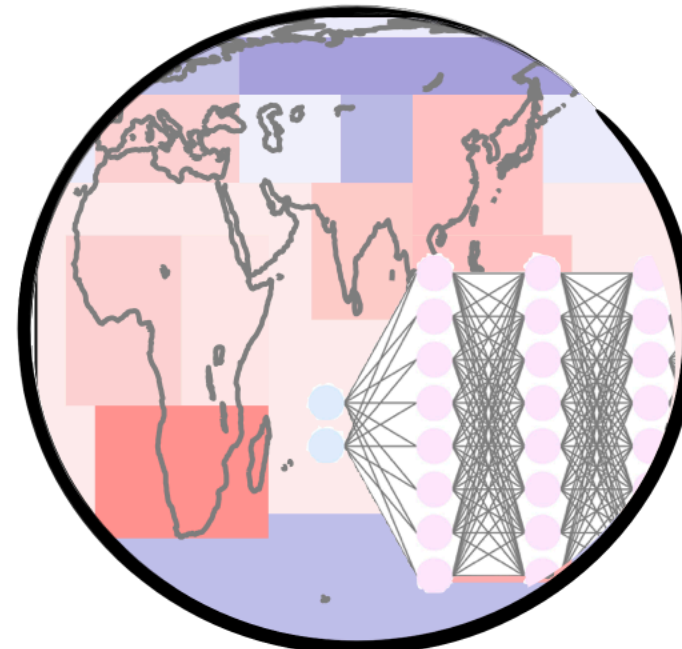
- ✦ HOW DO WE DESIGN A MICROSCOPIC MACHINE?
- ✦ INVERSE DESIGN FUNCTION
- ✦ MAGNETS + ELASTICITY



Bifurcation Theory

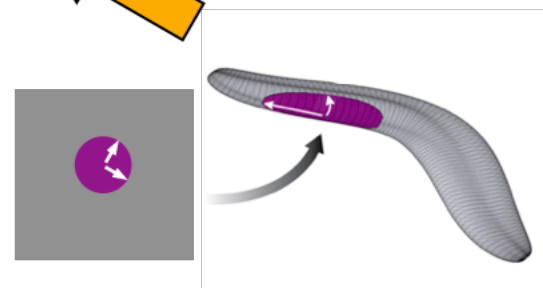


Differential Geometry

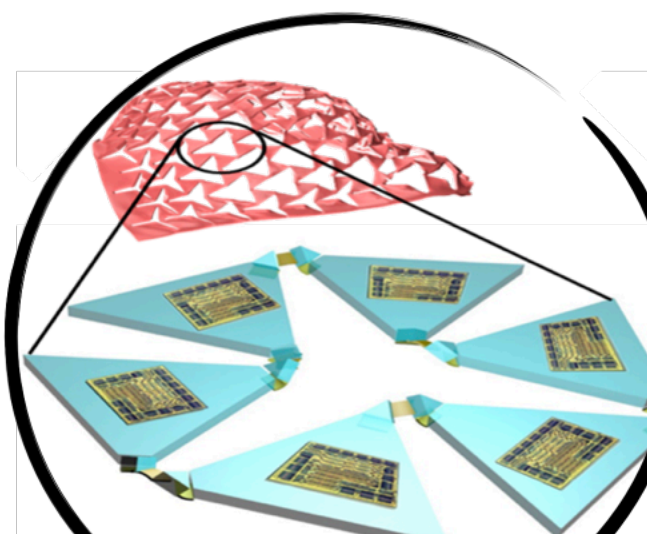


COMPUTATIONAL MODELS

- ✦ WHAT ARE THE ERROR BARS ON CLIMATE MODEL PREDICTIONS?
- ✦ HOW DO DEEP NEURAL NETS LEARN?
- ✦ ANALYZE ROBUSTNESS AND IMPROVE MODELS



Information Geometry



ELASTRONIC MATTER

INTEGRATED COMPUTATION IN MATERIALS

- ✦ WHAT ARE THE ELASTIC PROPERTIES OF THINKING MATTER?