

## PS1: Macro to micro flexure design exercise

### Design a mechanical filter which:

- $G_{ij} = 0.05$  (factor of 20 filtering)
- Range of 0.5 mm with less than 5 micron PE
- Envelope: 5 x 5 x 0.125 inches

### Give us enough information to:

- Understand your constraint topology
- Fabricate it
- Assume it is aluminum