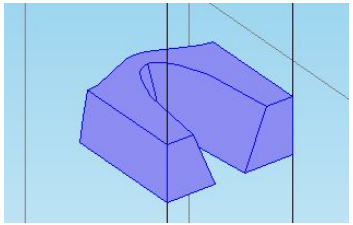
LNNB FBH unitcell mechanical modes

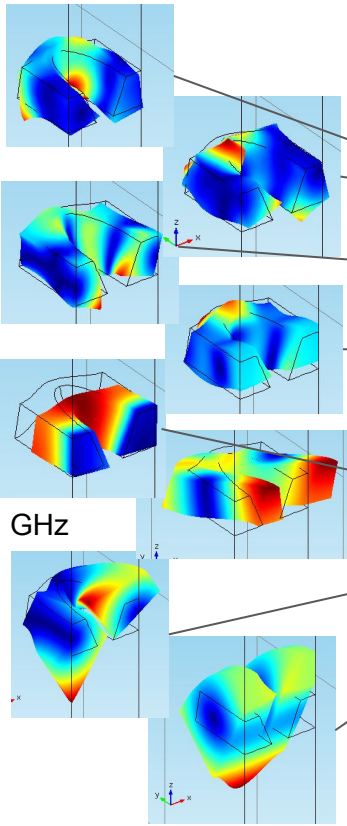
Wentao Jiang, 20181109

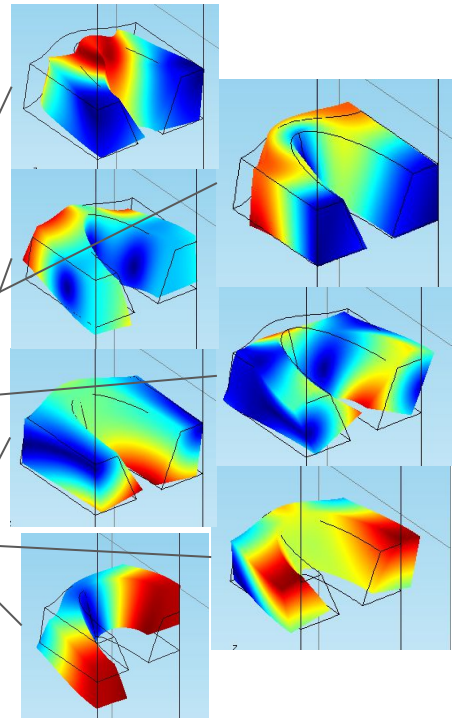
GA 181107

- a: 5.7244e-07
- t: 2.5000e-07
- wmax: 1.1620e-06
- wmin: 9.7032e-07
- hx: 3.3570e-07
- hy: 1.0019e-06
- amp: 4.7918e-08
- w: 1.0662e-06
- **f_band: 3.5841e+13**
- **f_mid: 2.0396e+14**

sym mech bandgap: [1.129, 1.789] GHz
TE bandgap: [186.04, 221.89] THz



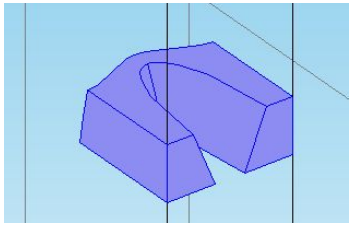


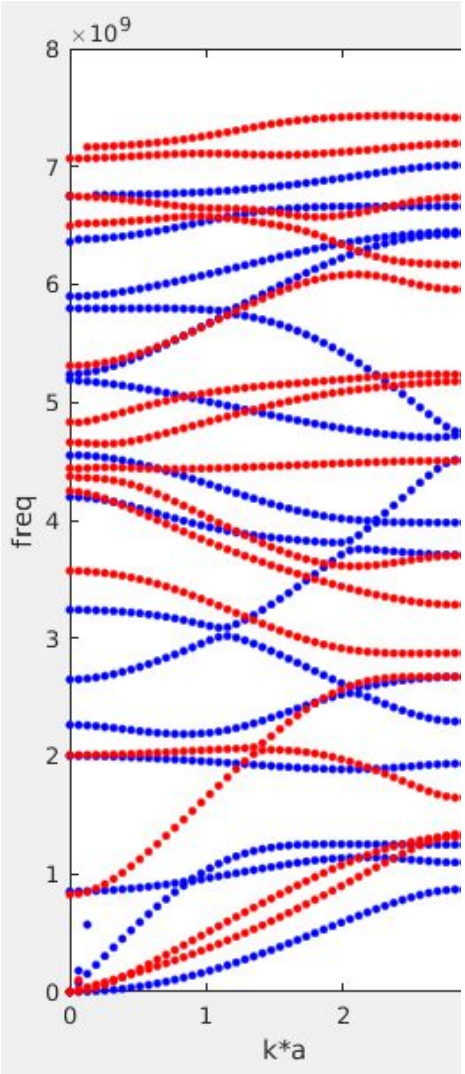


GA 180707 modified

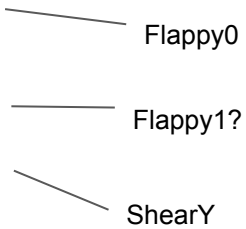
- a: 5.855e-07
- t: 2.5000e-07
- wmax: 1.2033e-06
- wmin: 9.724e-07
- hx: 3.465e-07
- hy: 9.02e-07
- amp: 8.60e-08
- w: 1.1372e-06

sym mech bandgap: [1.253, 1.887] GHz,
TE bandgap: [180.8, 213.8] THz, f_band = 33 THz

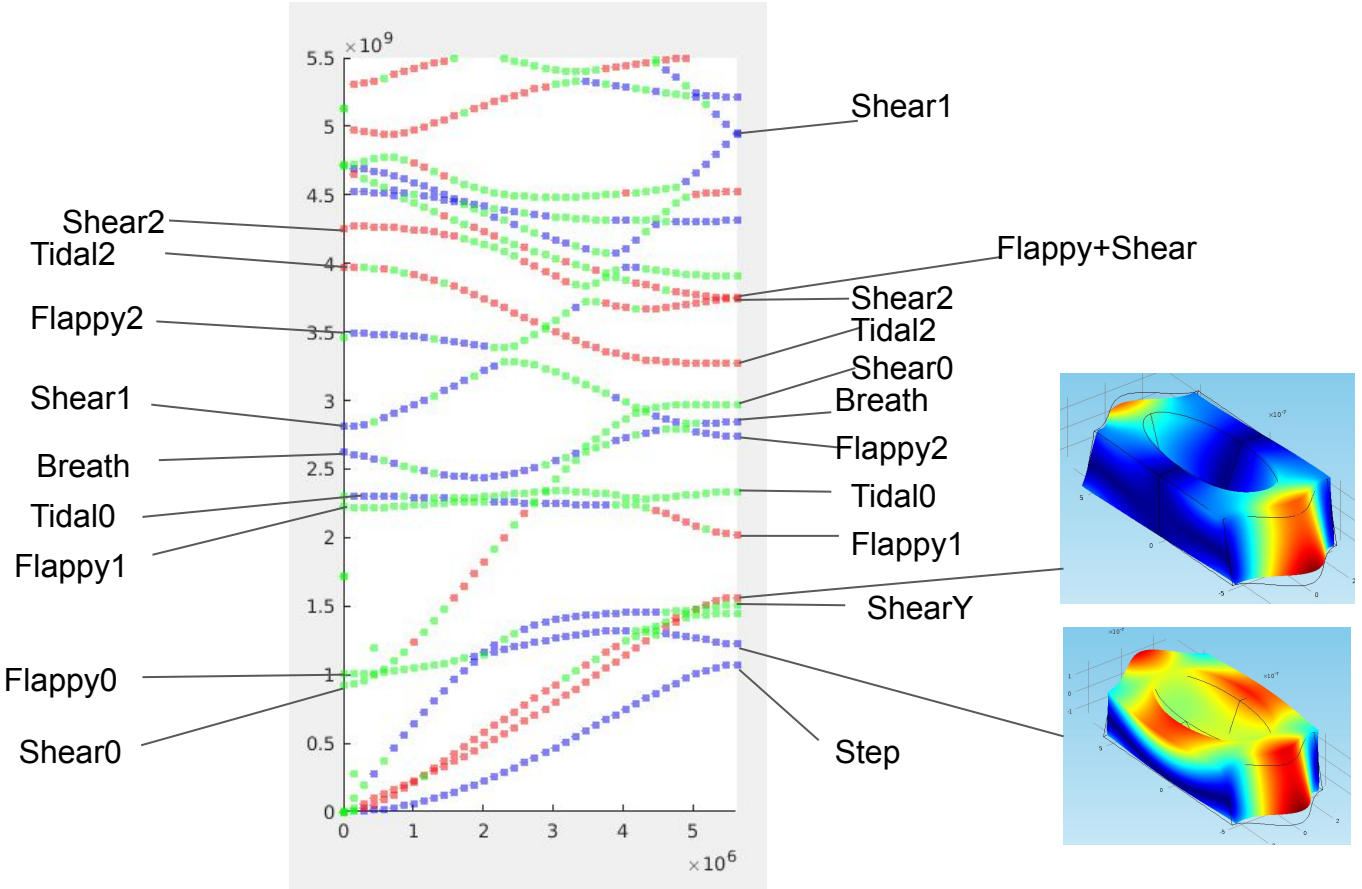




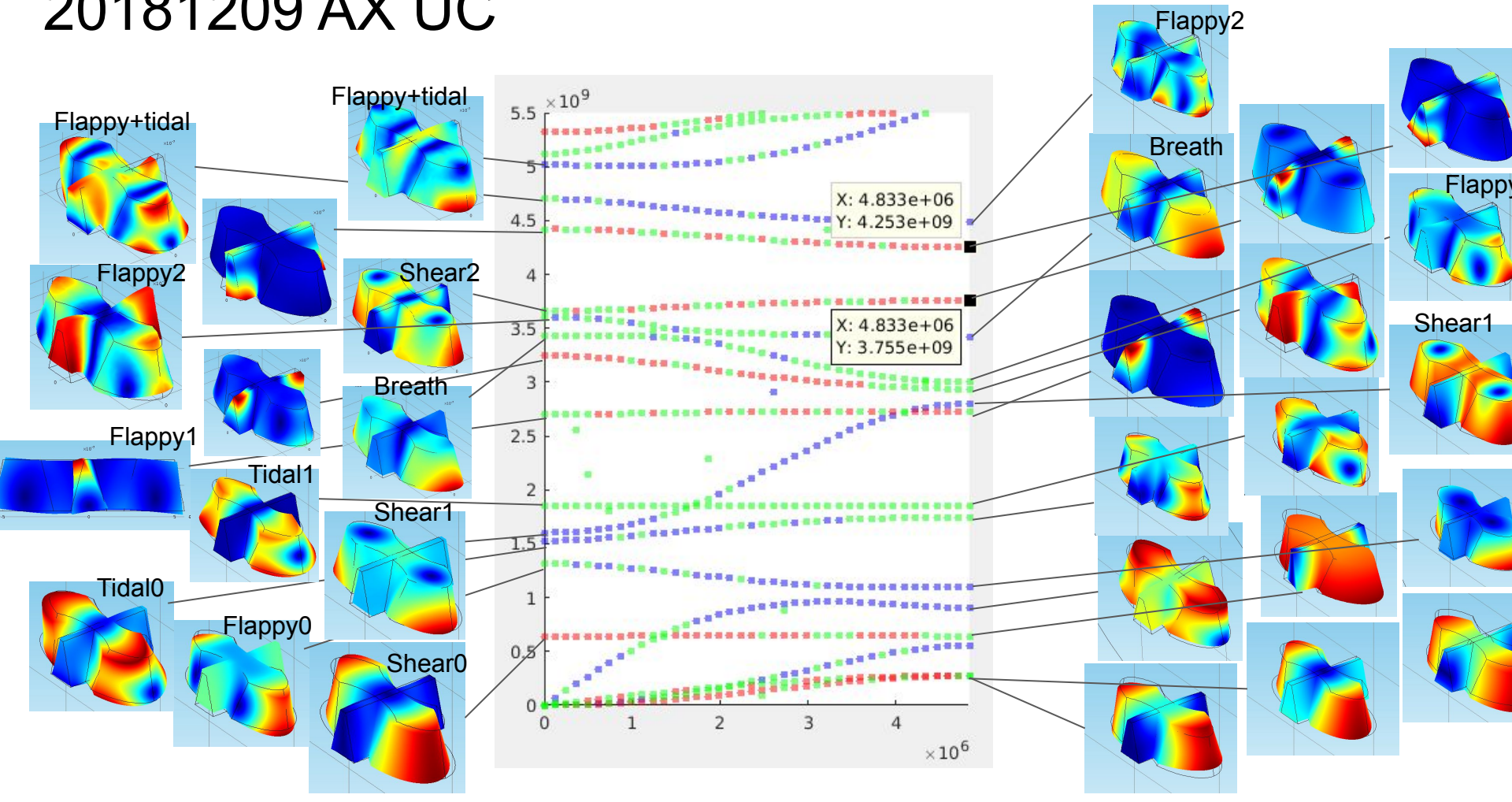
20181208, manual mirror,



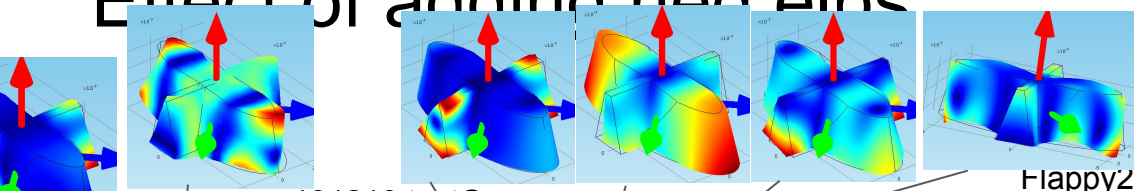
GA 180722 mirror, LNX135 (45 deg in-plane)



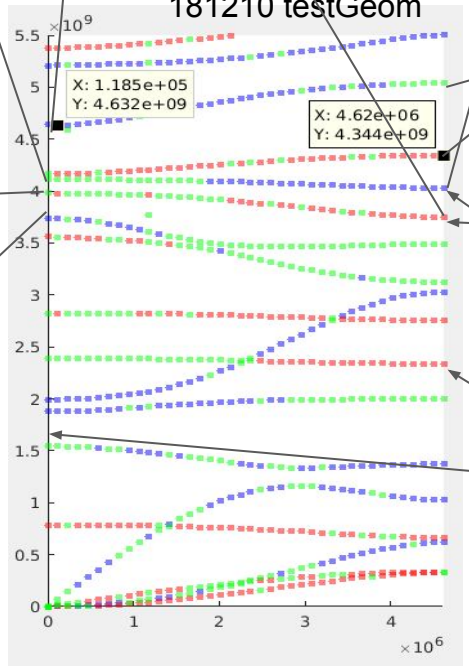
20181209 AX UC



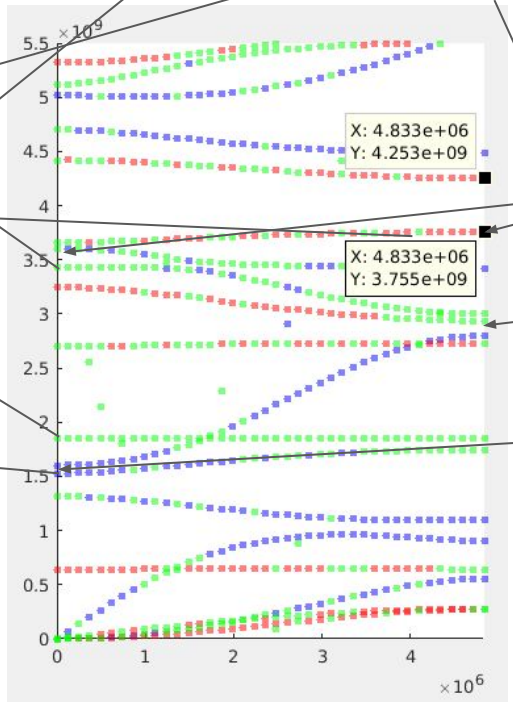
Effect of adding neg elps



181210 testGeom

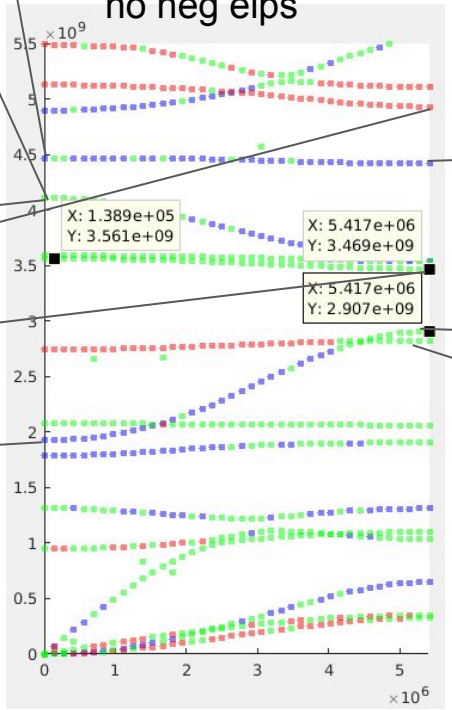


Flappy2



Flappy2+tidal

no neg elps



Flappy2

Shear1

Flappy1

GA 190104

w with node in x
usually come with u
(i.e., curlUY)