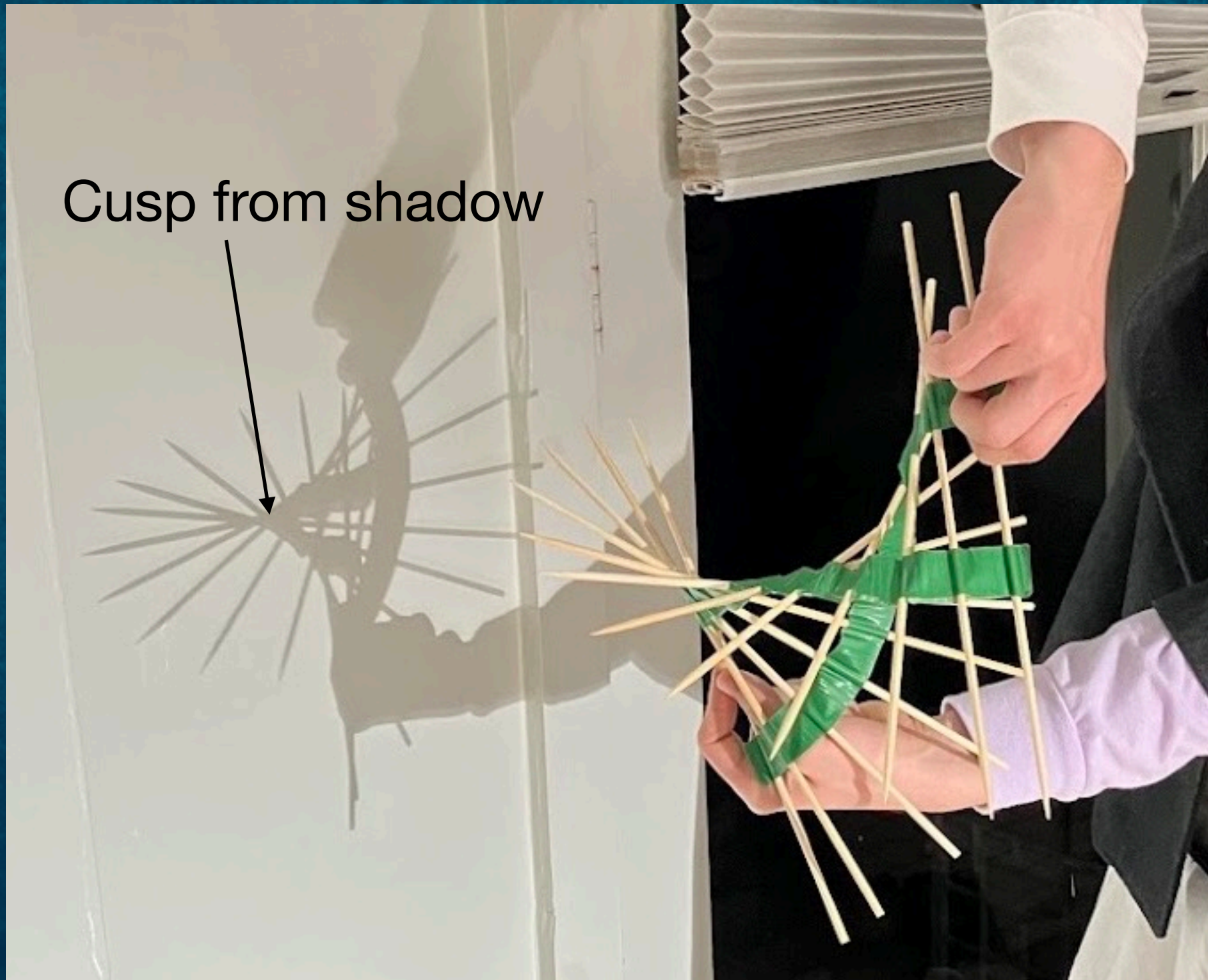


Cusp from shadow



Theorem (Whitney): folds & cusps are
only stable 2 dimensional caustics