Paper story / structure

1. Training on limited dataset to compare various representations and network architectures
   1. For all representations do a hyperparameter sweep (this is in Appendix)
2. Train the best-performing model on all data and see how test error reduces
   1. Train also proportionality constant to obtain the full Young’s modulus – if this doesn’t work super well, I can split up proportionality constant into fully stretching and fully bending lattices
3. Do something extra - do a fast sweep (use the fast GNN speed) over many lattices to obtain
   1. Target a given constant/Young’s modulus surface
   2. What is the ideal lattice given a certain imperfection level?