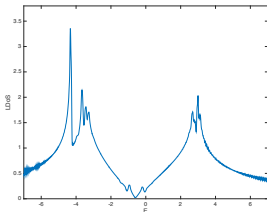
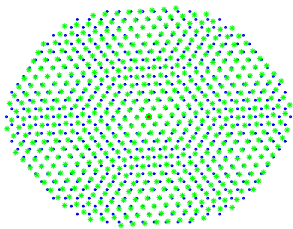


# Electronic Density of States for Incommensurate 2D Layers

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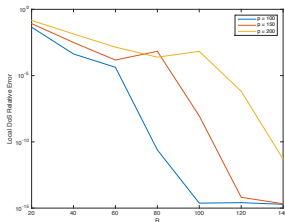
- Tight-binding model.
- Localized orbitals.
- Discrete Hamiltonian.



- Thermodynamic limit:

$$\lim_{n \rightarrow \infty} \frac{1}{n} \text{Tr}[g(\tilde{H}_n)]$$

- LDoS:  $[g(\tilde{H}_n)]_{kk}$ .



- Approximate LDoS with a Kernel Polynomial Method.
- Integrate over relative shifts.