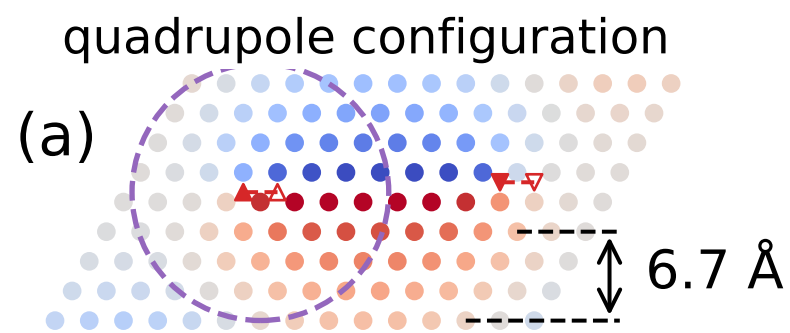
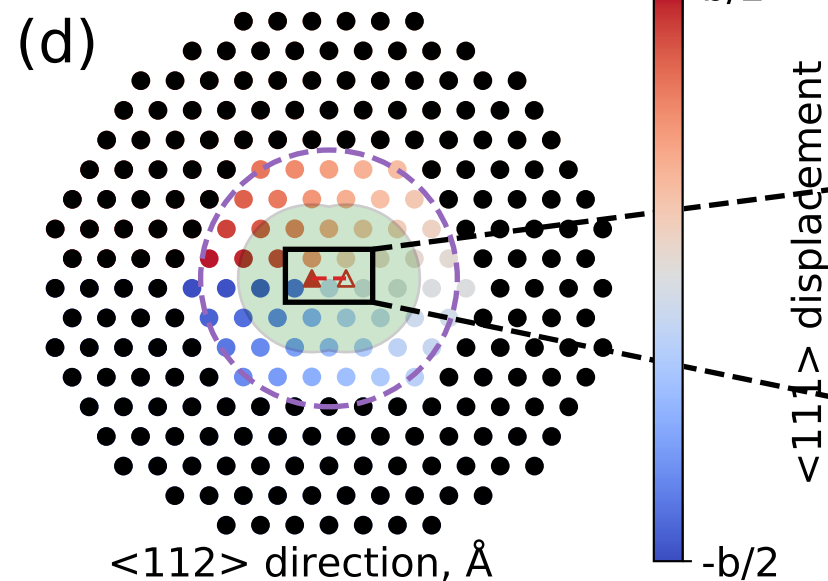


$\langle 110 \rangle$ direction, Å

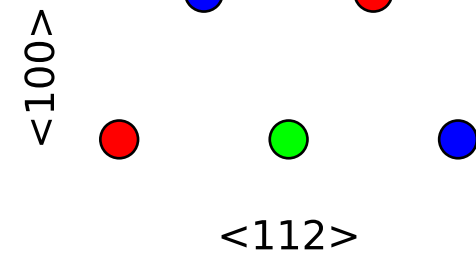


- W atoms
- fixed atoms
- ▲▲ easy-core positions
- QM region

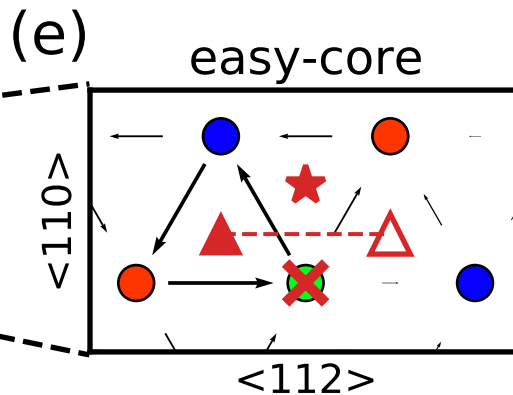
cluster configuration



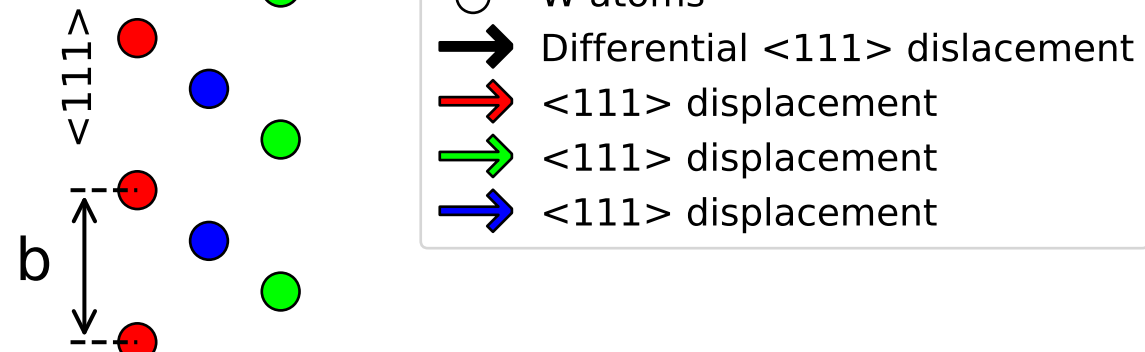
(b) BCC bulk



- ▲▲ easy-core positions
- ★ hard-core position
- ✗ split-core position



(c)



BCC bulk with u

(f)

