Sr2RuO4\_*<x>*deg.dat

Sr2RuO4\_*<x>*deg\_soc.dat

Tight-binding models for angle *<x>* in two-atom unit cell. \*deg.dat are TB models in Wannier90 output format (paramagnetic TB model) symmetrized and with the chemical potential at 0eV, \*deg\_soc are the models with SOC of 0.175eV added.

Orbital order for TB models:

dxz, dyz, dxy for atom 1, dxz, dyz dxy for atom 2

Models with spin-orbit coupling are spin-polarized, i.e. have first six bands for spin up and then six bands for spin down.

Sr2RuO4\_OneAtomUnitCell.dat

Sr2RuO4\_OneAtomUnitCell\_soc.dat

Tight-binding model for 0 deg rotation in one-atom unit cell without and with SOC of 0.175eV.