1 Rmax (for including basis set state) 2 V\_intra 3 vibrational\_energy\_window\_size 4. nonadiabatic\_coupling

delt tmax tprint

exciton\_state\_num exciton\_state\_energy[i] x\_exciton y\_exciton (real and imaginary part of exciton wave function).

maxdis (maximum distance in state space for constructing anharmonic coupling) cutoff (cutoff for anharmonic coupling), Franck\_Condon\_factor\_cutoff (cutoff for Franck Condon factor value between vibrational states in two surfaces).

for each side:

nmodes[i] proptime[i] (

mfrequency (frequency of modes) nmax (vibrational quantum number cutoff) EV\_coupling\_V (Huang-Rhys factor)

initial states