



Instantiation of QMMMInputs

Instatiation of MMPParams	Class MMPParams	readInput.py
→ Reads information from mm.dat	read_mmparams	generate_pcf_from_top.py
Instatiation of QMParams	Class QMParams	prepare_pcf_for_shift.py
→ Reads information from qm.dat	read_qmparams	_helper.py
Instatiation of PathParams	Class PathParams	generate_charge_shift.py
→ Reads information from path.dat	read_pathparams	sum_pcf_tm.py
Instatiation of QMMMPParams	Class QMMMPParams	generate_top.py
→ Reads information from qmmm.dat	read_qmmmparams	
Read molecules from topology	readmols	
Read charges of all atoms in all molecules	readcharges	
	checkformol	
Read xyz for all atoms	readg96	
Read number of atoms from structure file	read_numatoms	
Read connection of atoms from topology	read_conn_list_from_top	
	get_curr_top	
	checkformol	
	get_mollength_direct	
	get_connlist	
Read qm atoms	read_qmatom_list	
If inout: make inner/outer list	read_inner_list	
	read_outer_list	
If structure file is gro: write to g96	write_highprec	
	stepper	
Make xyzq	make_xyzq	
Get m1 and m2 atoms and shift charges	prepare_pfc_for_shit_fieldsonly	
	identify_m1	
	get_bondpartners	
	identify_m2	
	get_bondpartners	
	get_qmcoords	
	eliminate_and_shift_to_m1	
Get vector from qm atom to mm atom if bond is cut	get_linkatoms_ang	
Get_linkcorrlist?	get_linkcorrlist	

Make new point charge field

Calculate distance vectors * charge for m/q atoms

While loop until maximum displacement below threshold

Write new topology

