



Target system



PSF file PDB file

(3)

4





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[INPUT]
topfile = top_all36_prot.rtf, top_all36_lipid.rtf # topology file
parfile = par_all36_prot.prm, par_all36_lipid.prm # parameter file

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strfile = toppar_water_ions.str # stream file
psffile = ionized.psf # protein structure file
pdbfile = ionized.pdb # initial structure

reffile = ionized.pdb

reference coordinates for restraints

[OUTPUT]

dcdfile = min.dcd # DCD trajectory file
rstfile = min.rst # restart file

[ENERGY]

pairlistdist

forcefield = CHARMM # CHARMM force field
electrostatic = PME # Particle Mesh Ewald method
switchdist = 10.0 # switch distance
cutoffdist = 12.0 # cutoff distance



= 13.5

Control file of GENESIS

pair-list distance