The compute.out output file

From GPUMD

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Brief Description

This file contains some space and time averaged quantities.

The keyword which produces the current file

compute

File format

- Assuming that the system is divided into M groups according the grouping method used by the compute keyword producing the current file, then
 - lacktriangleright if temperature is computed, there are M columns of group temperatures (in units of K) from left to right
 - lacksquare if potential is computed, there are M columns of group potentials (in units of eV) from left to right
 - if force is computed: there are 3M columns of group forces (in units of eV/A) from left to right in the following form:

- if virial is computed, there are 3M columns of group virials (in units of eV) from left to right in a form similar to that for force
 - if the potential part of the heat current is computed, there are 3M columns of group potential heat currents (in units of eV^{3/2} amu^{-1/2}) from left to right in a form similar to that for force
 - if the kinetic part of the heat current is computed, there are 3M columns of group kinetic heat currents (in units of $eV^{3/2}$ amu^{-1/2}) from left to right in a form similar to that for force
 - if temperature is computed, the last second column is the total energy of the thermostat coupling to the heat source region (in units of eV) and the last column is the total energy of the thermostat coupling to the heat sink region (in units of eV)

Tips

• No matter what is the order for the names in the compute, the order of output data in this file is fixed as given above.

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