

# The dos.out output file

From GPUMD

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## Brief Description

This file contains the data of the phonon density of states (PDOS).

## The keyword which produces the current file

- `compute_dos` in `run.in`

## File format

- The file is organized as follows:
  - column 1: angular frequency,  $\omega$  (in units of THz)
  - column 2: DOS(in units of 1/THz) in the  $x$  direction
  - column 3: DOS (in units of 1/THz) in the  $y$  direction
  - column 4: DOS (in units of 1/THz) in the  $z$  direction

## Tips

- Only the selected group in the `compute_dos` keyword is included in this output.

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