LAMMPS resources for performance acceleration

- **Hardware support**
  - CPU including OpenMP
  - GPU via Cuda
  - KNL via OpenMP

- **Website**: Benchmarking page (discussed in this session)
  - input files, Makefiles, run commands, log files, plots & tables

- **Distro**
  - bench directory

- **Manual**
  - Section 5 = Accelerating LAMMPS performance
  - Section 5.3.1 = GPU package
  - Section 5.3.2 = USER-INTEL package
  - Section 5.3.3 = KOKKOS package
  - Section 5.3.4 = USER-OMP package
  - Section 5.3.5 = OPT package
  - Section 8 = Performance and Scalability
LAMMPS resources (continued)

- **Packages**
  - GPU, KOKKOS, OPT, USER-INTEL, USER-OMP

- **Makefiles in src/MAKE/OPTIONS dir**
  - Makefile.kokkos, several variants: Cuda, KNL, OpenMP
  - Makefile.intel, several variants: CPU and KNL
  - Makefile.omp

- **Commands**
  - balance, fix balance, processors, run_style verlet/split

- **Example dirs**
  - balance