

Breakout session: Visualization via OVITO

Mitch Wood
Sandia National Laboratories

5th LAMMPS Workshop and Symposium
August 2017 - Albuquerque, NM

LAMMPS resources for visualization

- **Website:** Visualization page
 - OVITO (this session)
 - VMD
 - AtomEye
 - ParaView
 - PyMol
 - Visit
- **Manual**
 - Section 6.11 = visualization

LAMMPS resources (continued)

- **Dump** formats:
 - dump image or movie = on-the-fly images (JPG, PNG, etc)
 - dump cfg = AtomEye format
 - dump dcd = CHARMM, NAMD format
 - dump xtc = Gromacs format
 - dump vtk = ParaView format
 - dump xyz = XYZ format
 - dump h5md = HDF5 format
 - dump netcdf = NetCDF format
- **Tools** provided in LAMMPS distro:
 - Imp2arc, Imp2cfg, pymol_asphere
 - **Pizza.py** file converters = <http://pizza.sandia.gov>