

LAMMPS User Workshop
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LAMMPS Users' Workshop Beginner's Tutorial

Download, build and run LAMMPS

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Getting started with LAMMPS

1. Explore resources and download

- Website
- File download

2. Make/build LAMMPS

- Downloading LAMMP
- Configuring for personal packages
- Building dependent libraries (FFT, JPEG, MPI, etc.)
- Building an executable for your architecture

3. Run LAMMPS

- Running a simple script
- Did it run? What did it do?

4. Where to learn more!

How to download, install, and use LAMMPS

- **Download page:**

<http://lammps.sandia.gov/download.html>

Try the Windows serial executable – later.

- **Modify LAMMPS packages for your purposes:**

`make package_status`

`make yes-shock`

`make yes-reax`

`make no-rigid`

`make serial`

- **Installation instructions:**

http://lammps.sandia.gov/doc/Section_start.html

go to lammps/src

type “`make your_architecture`”

- **To perform a simulation:**

`lmp -in my_script.in`

How to get help with LAMMPS

1. Excellent User's Manual:

<http://lammps.sandia.gov/doc/Manual.html>

http://lammps.sandia.gov/doc/Section_commands.html#3_5

2. Search the web: can include “lammps-users” as a search keyword to search user-group e-mail archives

3. Send e-mail to the user's e-mail list:

<http://lammps.sandia.gov/mail.html>

4. Contact LAMMPS developers: <http://lammps.sandia.gov/authors.html>

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