

LAMMPS User Workshop  
Albuquerque, NM  
5 August 2015

# 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:  
[lammps.sandia.gov/download.html](http://lammps.sandia.gov/download.html)  
Try the Windows serial executable – later.
- Modify LAMMPS packages for rheology:  
`make package_status`  
`make yes-colloid`  
`make yes-rigid`  
`make serial`
- Installation instructions:  
[lammps.sandia.gov/doc/Section\\_start.html](http://lammps.sandia.gov/doc/Section_start.html)  
go to lammps/src  
type “`make your_architecture`”
- To perform a simulation:  
`Imp < my_script.in`
- To perform a simulation:  
`Imp < 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](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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