Fortran programming and molecular dynamics simulation of liquid argon

Installation Guide

VMD installation

Visual Molecular Dynamics (VMD) is a free, versatile, and powerful molecular visualization program. It is available for all platforms at the official VMD downloads page (http://www.ks.uiuc.edu/Development/Download/download.cgi?PackageName=VMD). The latest stable release is VMD 1.9.2. As of now, there is a VMD 1.9.3 beta release 1 version also available. Both the stable version and beta releases work with this module, but note that if you plan on also using our Peptide MD simulation module, (http://ase.tufts.edu/chemistry/lin/outreach_PeptideMD.html) version 1.9.3 is required. Downloading files from the webpage requires a free account. Download the appropriate version for your platform. Mac users should download and open the .dmg file, then drag the application "VMD 1.9.2.app" or "VMD 1.9.3.app" into the Applications folder (an administrator password is required). Windows users should download and run the installer, then follow the on screen instructions. (administrator password also required).

Compiling Fortran code

All of our teacher and student guides were written to use the Coding Ground online Fortran environment (http://www.tutorialspoint.com/compile_fortran_online.php). This website simulates a local computer environment online, with a simple file browser, a Terminal, and a basic text editor. No installation is required!