Table of Contents

PyCAC Documentation and GUI source

Aug 28 2017 version

PyCAC, the concurrent atomistic-continuum (CAC) simulation environment, is a software suite that allows users to run CAC simulations and analyze data.

Currently, the CAC simulator and analyzer are written in Fortran 2008, with different parts of the workflow glued by a Python scripting interface.

This user's manual is maintained by Shuozhi Xu, Kevin Chu, and Alex Selimov. Kevin and Alex are current Ph.D. students, while Shuozhi is a former Ph.D. student and Postdoctoral Fellow with Prof. David L. McDowell at the Georgia Institute of Technology.

The PyCAC interface is open-source and the CAC simulator code is available upon request. For access, please email Prof. David L. McDowell.

GUI source code

PyPi(Recommended): Use Python pip to seamlessly install the PyCAC GUI.

GitHub: Please navigate to the gui/ folder in the repository and follow the instructions there.