Maksim S. Rakitin

Computer skills

Personal details

Full name: Maksim S. Rakitin

Links: o BNL • SBU • SUSU

o 🔗 • in • 🎓 • ResearchGate

Computer skills

Atomistic simulation	VASP, WIEN2k, Quantum Espresso, CASTEP, SIESTA, CP2K, FHI-aims, QuantumWise ATK, Tinker, GULP, LAMMPS, DMACRYS, Phonopy, TB-LMTO-ASA
Data analysis, visualization	Python, NumPy, SciPy, Matplotlib, Bokeh, D3.js, Matlab, Octave, OriginPro, gnuplot, VESTA, XCrysDen, STM4, P4VASP, Molden, VMD, RasTop, *etc.*
Programming	Python (including TkInter, PyQT, NumPy, SciPy, Matplotlib, PIL), C++, Fortran, Matlab, Octave, JavaScript, jQuery, AngularJS, WebGL, PHP, HTML5, bash, csh/tcsh, make, Perl, AutoIt3, REXX, SQL, JCL
Parallelization	MPI, OpenMP
IDE	PyCharm, Visual Studio, Eclipse, Aptana Studio, emacs, vim
Writing	LaTeX, BibTeX, TeXlipse/Eclipse, plasTeX, JabRef, MS Word
OS	Linux (CentOS, SuSE, RedHat, Fedora, Ubuntu, Debian, Raspbian, *etc.*), Mac OS X, AIX, Solaris, HP-UX, Windows, DOS, z/OS
Virtualization	Docker, Vagrant, VirtualBox, VMware
VCS	GitHub, Git, SVN, CVS, Bazaar, Trac
Hobby projects	o Raspberry Pi-based web server — https://mrakitin.xyz (production HTTPS web server configuration — Nginx+uWSGI+Flask with Jinja2 templates) o Weather in console — https://github.com/mrakitin/weather