

Maksim S. Rakitin

Computer skills

Personal details

Full name: Maksim S. Rakitin

Links: [BNL](#) • [SBU](#) • [IACS](#) • [SUSU](#)

[ORCID](#) • [in](#) • [grad](#) • [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, Autot3, REXX, SQL, JCL

Parallelization MPI, OpenMP

IDE PyCharm, Visual Studio, Eclipse, Aptana Studio, emacs, vim

Writing L^AT_EX, BibT_EX, 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 [Raspberry Pi-based web server](#) — <https://mrakitin.xyz> (production HTTPS web server
configuration — Nginx+uWSGI+Flask with Jinja2 templates)

[Weather in console](#) — <https://github.com/mrakitin/weather>