

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>

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