Max Rakitin

Computer skills

About

Name: Max Rakitin (a.k.a. Maksim S. Rakitin)

Summary: I am a group leader of the Data Acquisition and Detectors group of the Data Science and Systems Integration Division of NSLS-II, BNL.

News: "Computer, Is My Experiment Finished?" (September 16, 2022)
https://www.bnl.gov/newsroom/news.php?a=220832

"Seeing the Forest Through the Trees: Brookhaven Lab Scientists Develop New Computational Approach to Reduce Noise in X-ray Data." (April 18, 2022)
https://www.bnl.gov/newsroom/news.php?a=219533

Links: ○ BNL • SBU • SUSU
○ ⃝ @mrakitin • in @mrakitin • 🎓 Google Scholar • ℝᴳ ResearchGate
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Computer skills

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 PyQT, NumPy, SciPy, Matplotlib, PIL), C++, Fortran, Matlab/Octave, JavaScript, jQuery, AngularJS, some React, WebGL, PHP, HTML5, bash, csh/tcsh, make, Perl, AutoIt3, REXX, SQL, JCL
Parallelization	MPI, OpenMP, Dask
IDE/editors	VSCode, PyCharm, Eclipse, vim, some emacs
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
Atomistic simulation	VASP, WIEN2k, Quantum Espresso, CASTEP, SIESTA, CP2K, FHI-aims, QuantumWise ATK, Tinker, GULP, LAMMPS, DMACRYS, Phonopy, TB-LMTO-ASA