dxLab research

dxLab is a group leading research activities at Devexperts.

Primary research fields:

- concurrent algorithms
- development of new scalable lock-free data structures
- formal proof of correctness
- verification of the implementation
- network communications efficiency
- compact data representation
- messaging protocols

Also, we develop various software analysis tools for the purpose of Devexperts projects.

Most projects presented on the site have been implemented by the group members and our students.

Many dxLab projects performed in collaboration with students of ITMO University. We provide practical training for students and curate bachelor and higher grade qualification works.
Other universities are welcome!

dxlab@devexperts.com

Recently updated

Lock-free Concurrent Reading While Writing
Nov 23, 2017 • created by Nikita Koval
Алгоритм упорядоченного циклического массива без блокировок
Nov 23, 2017 • updated by Nikita Koval • view change
Research tasks
Nov 15, 2017 • created by Dmitry Tsitelov
Summer practice 2017
May 10, 2017 • updated by Dmitry Tsitelov • view change
Summer practice 2017
May 05, 2017 • updated by Nikita Koval • view change
dxLab research
May 05, 2017 • updated by Nikita Koval • view change
Summer practice 2016
Jul 07, 2016 • updated by Dmitry Tsitelov • view change
Summer practice 2016
Jul 07, 2016 • updated by Nikita Koval • view change
dxLab research
Jul 04, 2016 • updated by Dmitry Tsitelov • view change
Summer practice 2016
Jul 04, 2016 • updated by Roman Elizarov • view change