

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!

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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](#)

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May 05, 2017 • updated by Nikita Koval • [view change](#)

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