Comparison of Different FPGA Programming Tool Flows

• Motivation and Goals
  – Port molecular dynamics code from Maxeler FPGA platform to OpenCL for FPGAs [1-3]
  – Compare and analyze the results in terms of performance and scalability

• Required knowledge
  – Good programming skills (C/C++ and Java involved)

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[1]: https://www.maxeler.com/
[3]: https://wikis.uni-paderborn.de/pc2doc/Noctua_FPGA_Usage,_Integration_and_Development