[Fast Frontends] Vectorblox MXP processors

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FPGA Programming





What I think I do

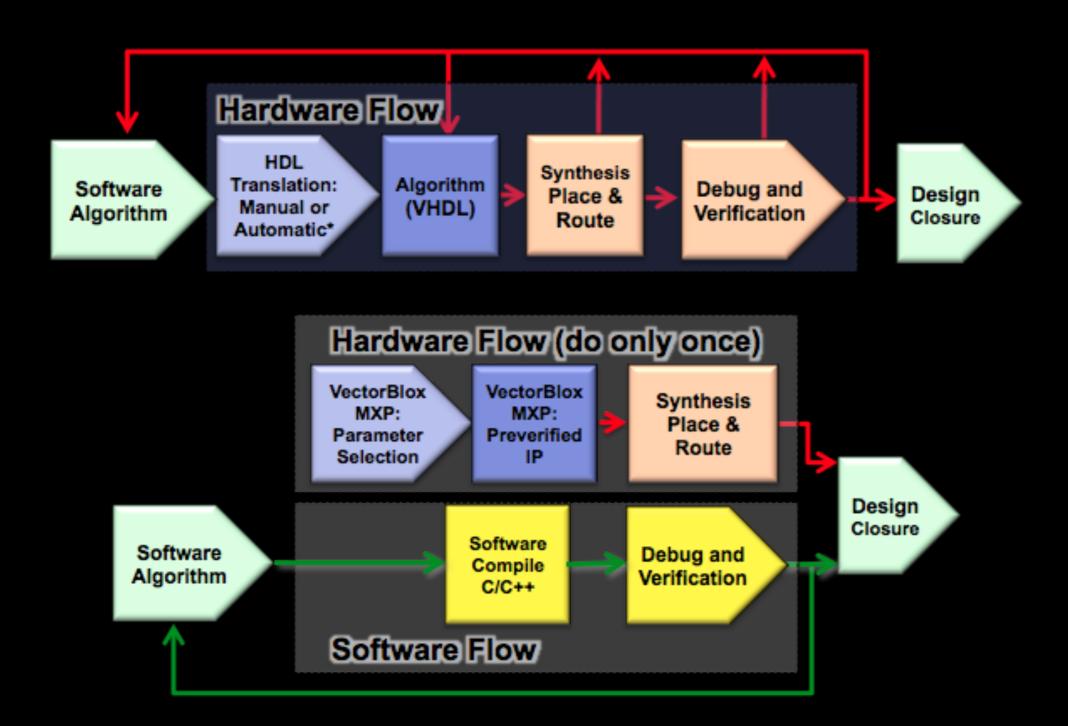
What my students think I do

FPGA Teaching Challenge

The FPGA CAD tools suck!

Teaching = How to use the GUI

Development Flow



Alternative



- Overlay the FPGA with a vector processor
 - Zynq SoC (ARM+FPGA)
- Program the FPGA through a C/C++ API
 - ARM core is front-end
 - FPGA is the accelerator
- Functional simulations vastly simplified
- Synthesis is C compilation

