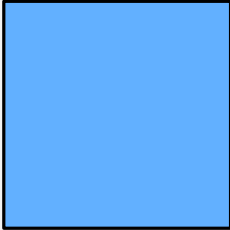


Esperanto's processors

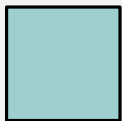
ET-Maxion RISC-V Processor



High Single Tread Performance
Great Linux performance to run OS and applications

64-bit RISC-V RV64GC instruction set
Starting from BOOM v2, but expect substantial changes
Out-of-order pipeline
Multiple levels of cache
Multiprocessor capable with TileLink2 interconnect
Optimized for 7nm CMOS

ET-Minion RISC-V Processor



High Floating Point Throughput
Energy Efficient

64-bit RISC-V ISA with Vector Extensions
In-order pipeline
Integrated vector floating point unit
Instruction extensions
Tensor instructions and other enhancements for machine learning
A few things for graphics
Hardware accelerators
Multiple threads of execution