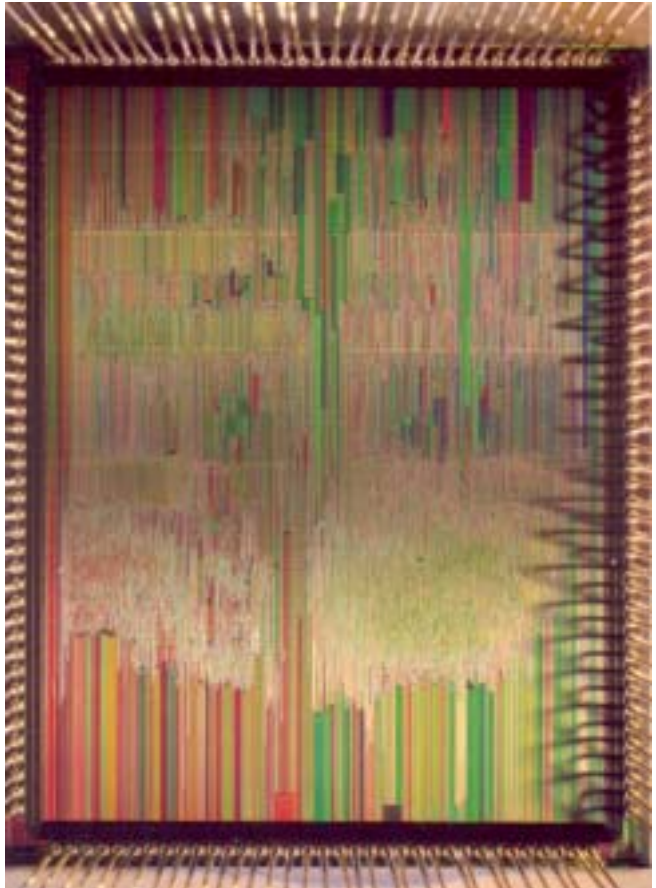
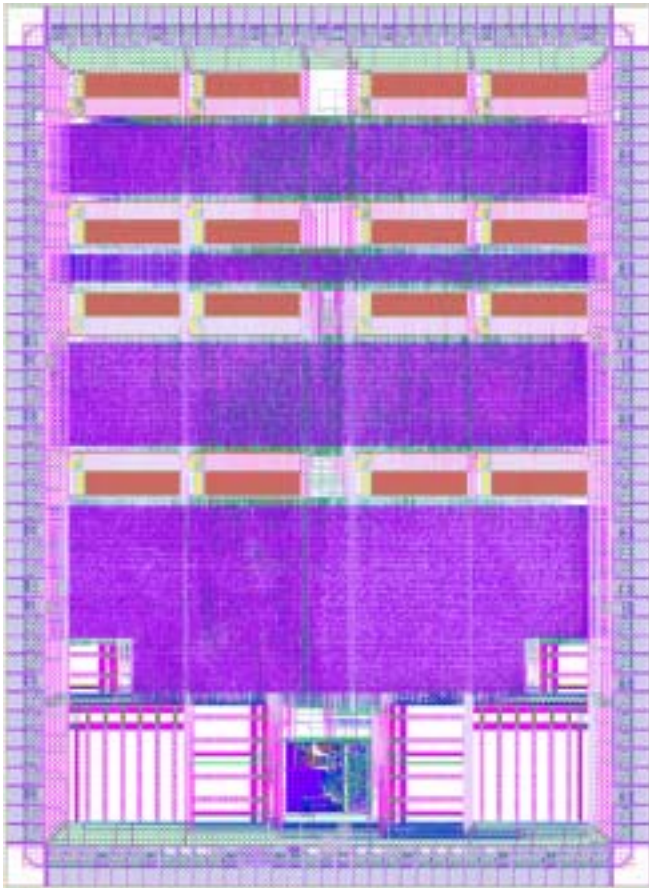


European Logarithmic Microprocessor

- SIMD logarithmic microprocessor with 32-bit data path
- Theoretical peak performance 650MFLOP equivalent at 166MHz
- SIMD instruction set (2-way real add/sub, 4-way for other operations)
- 4 stage pipeline with static branch prediction
- Upto 2 real add/subtract with 3/4 cycle latency
- Upto 4 real multiply/divide/square-root per cycle
- Internal Harvard architecture served by independent 2-way set-associative caches
- Register-memory operations for easy programming and high code density
- High bandwidth 64-bit data-bus
- Built-in 2-channel DMA controller
- Technology CMOS 0.18 μ m, die size 13 mm²
- Clock frequency 150MHz, power dissipation 150mW



Available as:

25 samples packaged and ready for prototyping
25 samples ready for packaging

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<http://napier.ncl.ac.uk/elm>

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