

10-Feb-04 (1)

Projects

- Networking
 - Compression (e.g. Huffman, Lempel-Ziv)
 - Regex matching (hardware grep)
 - Cryptographic accelerators (RC4, Blowfish etc)
- CPUs
 - Parallel single instruction computer
<http://www.cs.uiowa.edu/~jones/arch/risc/>
 - Forth machine
<http://www.ultratechnology.com/p16vhdl.htm>
 - Java machine <http://www.jopdesign.com>
 - Peripherals (uart, parallel, interfacing etc)

10-Feb-04 (2)

Projects (ctd)

- Arithmetic
 - Floating point, LNS multiplier/adder/divider
 - CORDIC
- Analog
 - DLL, PLL, random number generator
- Interfacing
 - SD, CF, IR, hard disk etc