

20 Years-Unleashing the Power of HPC

1990

**1990 Chair
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Notable Systems first mentioned this year in the proceedings:

- IBM RS/6000
- BBN TC2000
- SGI 4D
- Sequent Symmetry

Not mentioned in the proceedings after this year:

- Stardent
- Multiflow
- FPS-500

Noteworthy Architecture Topics

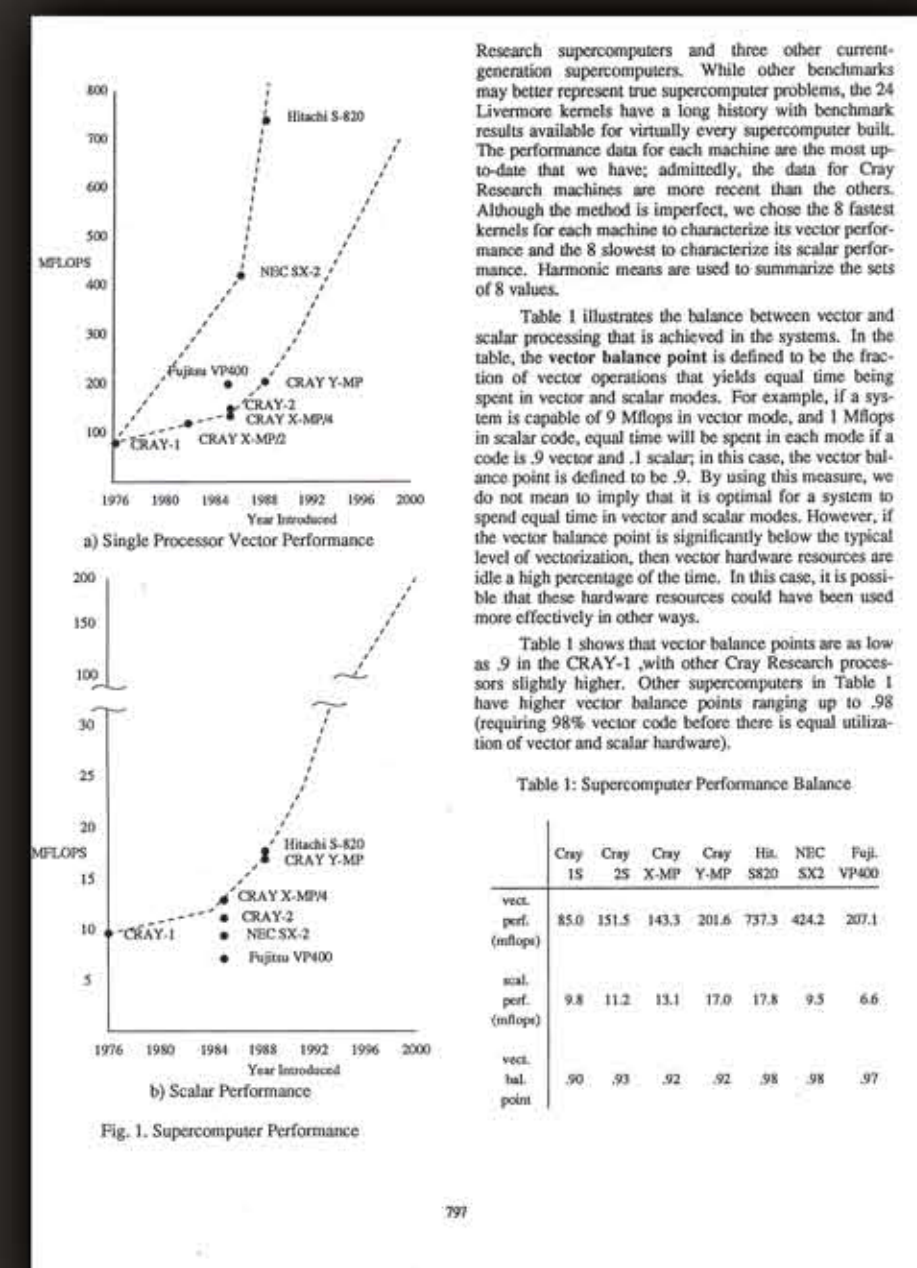
- Heterogeneous high performance computer architectures
- Microtasking, loop distribution, and work scheduling
- SPMD parallelism (an extension of SIMD parallelism)

Notable Operating Systems

- DEC VMS

Notable Programming Languages

- Alps
- Delerium
- UC
- SISAL



Model	Number of proc.	Peak processor rate (MIPS)	Peak rate of full system (MIPS)	Word size (bits)	Clock rate (MHz)	Kernel Size (KB)	Notes
ES-1000	1-10	1.25 MIPS	12.5 MIPS	64	47	Approx. 400 produced 1960-early 1970s	
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Figure 1: Soviet high-speed computers. Unless otherwise indicated, processing rates are for single-precision data. Sources: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]