

Pyro Accelerator Processor Performance Compared to NeXT Computers

	Pyro (68040 at 50MHz)	Standard NeXT (68040 at 25MHz)	Gain	Turbo NeXT (68040 at 33MHz)	Gain	Nitro NeXT (68040 at 40MHz)	Gain
Configuration	16 MB RAM Monochrome display	16 MB RAM Monochrome display	Pyro vs 25 mhz	16 MB RAM Monochrome display	Pyro vs Turbo	16 MB RAM Color display	Pyro vs Nitro
NXBench V2.0 dhrystones/s	52631 dhrystones	25974 dhrystones	103%	34482 dhrystones	53%	41608 dhrystones	26%
NXBench V2.0 MIPS	33.42 MIPS	16.49 MIPS	103%	21.89 MIPS	53%	26.42 MIPS	26%
NXBench NXFactor 2.0 Graphics Performance	NXFactor 1.2494	NXFactor 1.0936	14%	NXFactor 1.5755	-21%	NXFactor 0.9060 (16MB RAM) NXFactor 2.3886 (48MB RAM)	38% -48%
BYTE UNIX Bench- marks (Version 3.11)	1.7	1.0	70%	1.5	13%	1.6	6%
Next Mail: sort a 5000- item mailbox	10.97 sec	14.51 sec	24%	10.56 sec	-4%	7.98 sec	-37%
Mandelbrot.app	44.54 sec	88.07 sec	49%	64.99 sec	31%	52.54 sec	15%
FrameMaker: "replace all"	33.86 sec	50.42 sec	33%	36.93 sec	8%	30.16 sec	-12%
WetPaint: "Matrix-Smooth 5x5"	10.91 sec	18.81 sec	42%	14.44 sec	24%	12.01 sec	9%
Virtuoso: "Radial Fill"	14.98 sec	24.16 sec	38%	17.30 sec	13%	15.31 sec	2%
Rendering (prman)	65.2 (real)	103.8 (real)	37%	76.5 (real)	15%	60.6 (real)	-8%
JPEG conversion (cjpeg)	5.8 (real)	10.9 (real)	47%	8.3 (real)	30%	6.6 (real)	12%
Average Gain in Real-world Processor Performance			39%		17%		-3%
Compiling	495.9 (real)	597.1 (real)	17%	435.7 (real)	-14%	367.4 (real)	-35%
Average Gain in Real-world Compiling Performance			17%		-14%		-35%

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