CINT2000 Result

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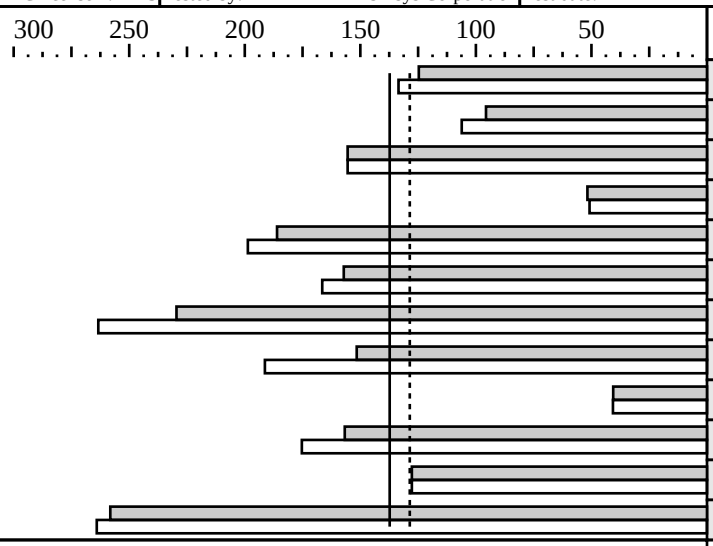
Unisys Corporation
ES7000 Orion 540

SPECint_rate2000 = 137

SPECint_rate_base2000 = 129

SPEC license #: 15 | Tested by: Unisys Corporation | Test date: Jun-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	208	125	16	195	133
175.vpr	16	272	95.6	16	245	106
176.gcc	16	131	155	16	131	155
181.mcf	16	646	51.7	16	657	50.8
186.crafty	16	99.8	186	16	93.4	199
197.parser	16	213	157	16	201	166
252.eon	16	105	230	16	91.6	263
253.perlbmk	16	220	152	16	175	191
254.gap	16	503	40.6	16	502	40.7
255.vortex	16	225	157	16	201	175
256.bzip2	16	218	128	16	218	128
300.twolf	16	216	258	16	211	264

Hardware

CPU:	Intel Xeon MP
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	16 cores, 16 chips, 1 core/chip
CPU(s) orderable:	16,20,24,28,32
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on-die
Other Cache:	32MB L4 cache off chip per 4 CPUs
Memory:	4GB
Disk Subsystem:	2X36GB SCSI RAID 0 DISKS (15K rpm each)
Other Hardware:	

Software

Operating System:	Windows Server 2003 Datacenter Build 3790
Compiler:	Intel C++ Compiler 7.1 Build 20030307Z Microsoft Visual .NET 7.0.9466 MicroQuill SmartHeap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs  : -Qxi -Qipo -Qfp_port
Base tuning for C++ programs: -QxW -Qipo -GX -GR
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip:     -QxW -Qipo -Oa -Oi- +FDO
175.vpr:      -QxW -Qipo     -O3  +FDO
176.gcc:      same as base
181.mcf:      -QxW -Qipo     -O3 +FDO
186.crafty:   -QxW -Qipo -Oa -O3 +FDO
197.parser:   -QxW -Qipo     -O3 +FDO
252.eon:      -QxW -Qipo     -O3 +FDO
253.perlbmk:  -QxW -Qipo     -O3 +FDO shlW32M.lib
254.gap:      same as base
255.vortex    -QxW -Qipo     -O3 +FDO
256.bzip2:    same as base
```

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Notes/Tuning Information (Continued)

```
300.twolf:    -QxW -Qipo     -O3 +FDO shlW32M.lib
The memory was configured using Unisys Server Sentinel System Management product.
```