CINT2000 Result

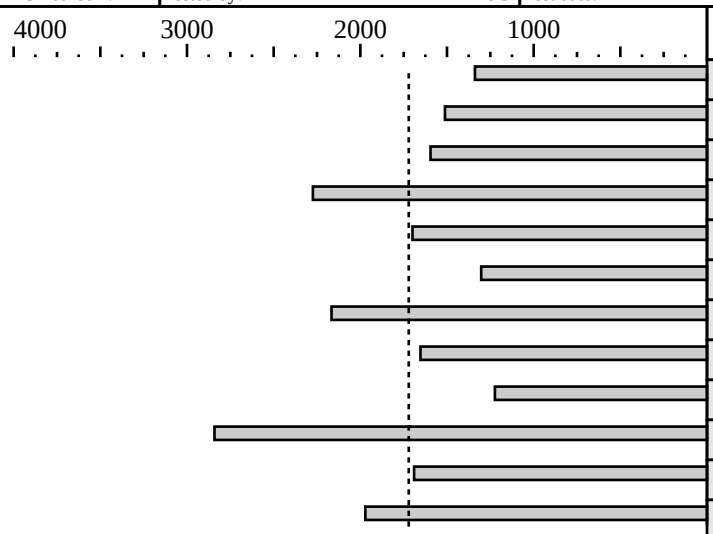
Copyright ©1999-2004, Standard Performance Evaluation Corporation

SGI
SGI Altix 3000 (1500MHz, Itanium 2)

SPECint_rate2000 = --

SPECint_rate_base2000 = 1721

SPEC license #: 4 | Tested by: SGI | Test date: Apr-2004 | Hardware Avail: Jul-2003 | Software Avail: May-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	128	155	1339			
175.vpr	128	138	1512			
176.gcc	128	102	1595			
181.mcf	128	118	2274			
186.crafty	128	87.4	1699			
197.parser	128	205	1303			
252.eon	128	89.1	2166			
253.perlbmk	128	162	1653			
254.gap	128	133	1224			
255.vortex	128	99.3	2841			
256.bzip2	128	132	1690			
300.twolf	128	226	1971			

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	128 cores, 128 chips, 1 core/chip
CPU(s) orderable:	4-256
Parallel:	No
Primary Cache:	16KBI + 16KBD (on chip) per core
Secondary Cache:	256KB (on chip) per core
L3 Cache:	6.0MB (on chip) per core
Other Cache:	N/A
Memory:	512 GB (16*1024MB PC2700 DIMMS per 4core module)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v3.0
Compiler:	Intel(R) C++ Compiler for Linux 8.0 (Build 20040416) MicroQuill SmartHeap Library 7.01 (www.microquill.com)
File System:	xfs
System State:	Single-user

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -fast -auto_ilp32 +FDO
  C++ programs:     -fast -ansi_alias +FDO
  Extra Libraries:  libsmartheap64.a

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca
  186.crafty: -DLINUX_i386
  252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST -DFMAX_IS_DOUBLE
  253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_LINUX_IA64 -DSPEC_CPU2000_GLIBC22
  254.gap: -DSPEC_CPU2000_LP64 -DSYS_HAS_CALLOC_PROTO -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
  255.vortex: -DSPEC_CPU2000_LP64 srcalt=closed_files

Processes were bound to CPUs using dplace.
```