CFP2000 Result

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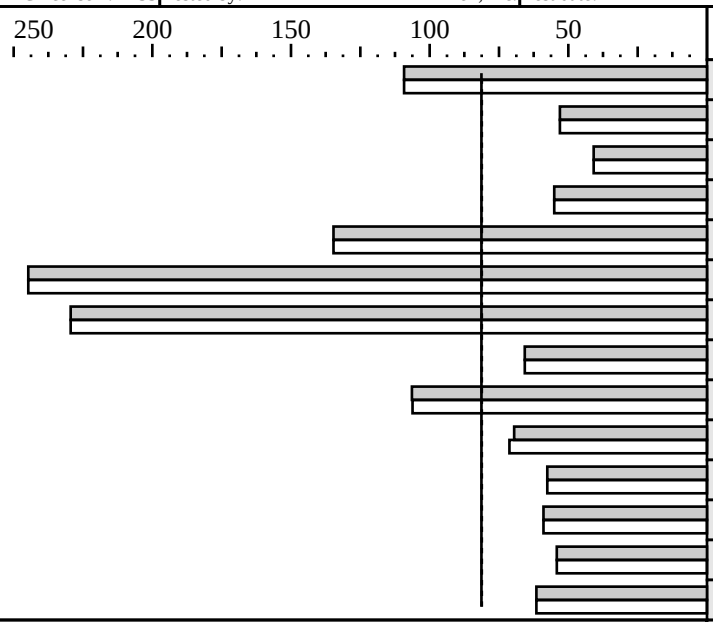
Dell

Precision Workstation 690 (Intelfi Xeonfi processor 5160, 3.0 GHz)

SPECfp_rate2000 = 81.3

SPECfp_rate_base2000 = 81.2

SPEC license #: 55 | Tested by: Dell, Inc. | Test date: May-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	68.0	109	4	68.0	109
171.swim	4	271	53.0	4	271	53.0
172.mgrid	4	204	40.9	4	204	40.9
173.applu	4	177	55.1	4	177	55.1
177.mesa	4	48.2	135	4	48.2	135
178.galgel	4	55.0	245	4	55.0	245
179.art	4	52.6	229	4	52.6	229
183.equake	4	91.8	65.7	4	91.8	65.7
187.facerec	4	82.9	106	4	83.0	106
188.ammp	4	147	69.5	4	143	71.2
189.lucas	4	161	57.6	4	161	57.6
191.fma3d	4	165	59.0	4	165	59.0
200.sixtrack	4	94.2	54.2	4	94.3	54.2
301.apsi	4	196	61.5	4	196	61.5

Hardware

CPU:	Intelfi Xeonfi processor 5160 (1333 MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	4096KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 1024MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	1 x 73 GB SAS 10K RPM
Other Hardware:	

Software

Operating System:	Windows XP Professional x64 Edition SP1
Compiler:	Intel C/C++ Compiler 9.1 for IA32(20060323Z) Intel Fortran Compiler 9.1 for IA32(20060323Z) Microsoft Visual Studio .NET 2003(7.1.3088) MicroQuill SmartHeap Library 8.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
GENERAL
  ONESTEP=yes
  +FDO:   PASS1=-Qprof_gen  PASS2=-Qprof_use
PORTABILITY
  178.galgel:   -FI /F32000000
BASE TUNING
  FORTRAN:      -fast -Qansi_alias +FDO
  177.mesa:     -fast +FDO shlW32M.lib
  179.art:      -fast +FDO shlW32M.lib
  183.equake:   -fast +FDO shlW32M.lib
  188.ammp:     -fast +FDO shlW32M.lib
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     basepeak=yes
  172.mgrid:    basepeak=yes
  173.applu:    basepeak=yes
  177.mesa:     basepeak=yes
```

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Notes/Tuning Information (Continued)

```
178.galgel:   basepeak=yes
179.art:      basepeak=yes
183.equake:   -fast -Oa -Qrcd +FDO shlW32M.lib
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa shlW32M.lib
189.lucas:    basepeak=yes
191.fma3d:    basepeak=yes
200.sixtrack: -fast +FDO
301.apsi:     basepeak=yes
```