



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Bull**  
Express5800-140He/140Rd4 (3.16 GHz Xeon MP)

SPECfp\_rate2000 = 31.5  
SPECfp\_rate\_base2000 = 31.5

SPEC license #: 20 | Tested by: Tilmant | Test date: Feb-2006 | Hardware Avail: Oct-2005 | Software Avail: Feb-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	256	58.0	8	256	57.9
171.swim	8	985	29.2	8	985	29.2
172.mgrid	8	877	19.1	8	876	19.1
173.applu	8	699	27.9	8	697	28.0
177.mesa	8	212	61.2	8	212	61.3
178.galgel	8	691	39.0	8	692	38.9
179.art	8	851	28.3	8	851	28.3
183.quake	8	541	22.3	8	541	22.3
187.facerec	8	464	38.0	8	465	37.9
188.amp	8	1332	15.3	8	1332	15.3
189.lucas	8	615	30.2	8	614	30.2
191.fma3d	8	600	32.5	8	602	32.4
200.sixtrack	8	286	35.7	8	286	35.7
301.apsi	8	691	34.9	8	702	34.4

### Hardware

CPU: Intel Xeon MP (3.16GHz, 1MB L2, 667MHz bus)  
 CPU MHz: 3160  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)  
 CPU(s) orderable: 1,4  
 Parallel: No  
 Primary Cache: 12KB(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 1024KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4GB (1GB DIMMx4, DDR2-400, ECC)  
 Disk Subsystem: 1x73GB SCSI U320 15000 rpm  
 Other Hardware:

### Software

Operating System: Windows Server 2003 R2 Enterprise Edition  
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20060120Z Package ID: W\_CC\_C\_9.0.029  
 Intel(R) Fortran Compiler for 32-bit app., Version 9.0, - Build 20060120Z Package ID: W\_FC\_C\_9.0.029  
 Microsoft Visual Studio .NET 2003 (for libraries)  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

Portability flags:  
 178.galgel: -FI /F32000000

Feedback optimization:  
 +FDO: PASS1= -Qprof\_gen PASS2= -Qprof\_use

Baseline Tuning Flags:  
 for C programs:  
 -fast +FDO  
 for Fortran programs:  
 -fast +FDO

Peak Tuning Flags:  
 168.wupwise: -fast +FDO  
 171.swim: -fast +FDO  
 172.mgrid: -fast +FDO  
 173.applu: -fast -Qscalar\_rep- -Qauto +FDO



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Bull**

Express5800-140He/140Rd4 (3.16 GHz Xeon MP)

SPECfp\_rate2000 = 31.5

SPECfp\_rate\_base2000 = 31.5

SPEC license #: 20 | Tested by: Tilmant | Test date: Feb-2006 | Hardware Avail: Oct-2005 | Software Avail: Feb-2006

## Notes/Tuning Information (Continued)

177.mesa: -fast +FDO  
178.galgel: -fast +FDO  
179.art: -fast +FDO  
183.quake: -fast +FDO  
187.facerec: -fast +FDO  
188.ammp: -fast +FDO  
189.lucas: -fast +FDO  
191.fma3d: -fast +FDO  
200.sixtrack: -fast +FDO  
301.apsi: -fast +FDO

Express5800-140He and 140Rd4 are electronically equivalent  
Measured on Express5800-120Rd4  
For information about Bull please see:  
<http://www.bull.com>