

CFP2000 Result

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CHARON-AXP/ES40
2.4.118-05

SPECfp2000 = 380

SPECfp_base2000 = 378

SPEC license #: P01812101 (peter.ljungberg@stromasys.com) | Test date: Sep-2010 | Hardware Avail: Sep-2010 | Software Avail: Sep-2010

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	485	330	435	368	
171.swim	3100	626	495	444	698	
172.mgrid	1800	921	195	918	196	
173.applu	2100	566	371	573	367	
177.mesa	1400	736	190	704	199	
178.galgel	2900	548	529	814	356	
179.art	2600	99.2	2621	98.2	2648	
183.quake	1300	255	510	255	511	
187.facerec	1900	434	437	471	403	
188.amp	2200	501	439	464	474	
189.lucas	2000	507	395	519	385	
191.fma3d	2100	1196	176	1163	181	
200.sixtrack	1100	786	140	771	143	
301.apsi	2600	627	415	662	393	

Hardware

CPU: Asus Core i7 965 3.20GHz
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 2
 CPU(s) orderable: 1 to 2
 Parallel: Yes
 Primary Cache: None
 Secondary Cache: None
 L3 Cache: None
 Other Cache: None
 Memory: Host 12GB, Tru64 4GB
 Disk Subsystem: 3x4GB (3 VDISK images on SATA drive)
 Other Hardware: Ethernet

Software

Operating System: Tru64 UNIX V5.1B (Rev. 2650)
 Compiler: Compaq C V6.5-303
 DIGITAL Fortran V5.1
 File System: AdvFS
 System State: Multi-user

Notes/Tuning Information

Tested by Stromasys S.A

Baseline C: cc -v -arch ev6 -fast -O4 ONESTEP

Fortran: f90 -v -arch ev6 -O5 ONESTEP

Peak: -v -g3 -arch ev6 -non_shared ONESTEP plus:

183.quake: -g3 -fast -O4 +GEMFB

168.wupwise: f90 -fast -O4 -pipeline -unroll 2

171.swim: f90 -fast -O5 -transform_loops

172.mgrid: f90 -O5 -transform_loops -tune ev6 -unroll 8

173.applu: f90 -fast -O5 -transform_loops -unroll 14

177.mesa: cc -fast -O4

178.galgel: f90 -O4 -unroll 2 -ldxml

RM_SOURCES = lapak.f90

187.facerec: f90 -fast -O4

188.amp: cc -fast -O4 -xtaso_short

189.lucas: f90 -fast -O5 -unroll 1

191.fma3d: f90 -O4

Standard Performance Evaluation Corporation

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http://www.spec.org/

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Notes/Tuning Information (Continued)

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200.sixtrack: f90 -fast -O5 -transform_loops  
301.apsi: f90 -O5 -transform_loops
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Portability: galgel: -fixed