Distribution: Fedora Core 4
Cluster Tools: Basement Supercomputing
Compiler: gcc gfortran
Tests: d.dpcc, d.villin,d. ploy-ch2, d.lzm/cutoff, d.lzm/pme (gmxbench-3.0.ta
Number of Cores: 1,4,8,16
Tester: Douglas Eadline deadline@basement-supercomputing.com
Test Date: 06/07/06
Notes: Contact tester for raw data files.

Sempron 2500+ (1.7 GHz) GigE

d.dppc	time (s)	GFLOPS	Speedup	ps/day
1 core	8295	0.51	1	104
4 cores	1638	2.59	5.07	527
8 cores	973	4.35	8.53	888

d.villin	time (s)	GFLOPS	Speedup	ps/day
1 core	125	1.18	1	6952

d.poly-ch2	time (s)	GFLOPS	Speedup	ps/day
1 core	150	0.49	1	2880

d.lzm/pme	time (s)	GFLOPS	Speedup	ps/day
1 core	1552	0.77	1	1114

d.lzm/cutoff	time (s)	GFLOPS	Speedup	ps/day
1 core	938	0.88	1	1843

r.gz)

	Pentium D 940 (3.2 GHz) Gig E				Opteron 270 DC (2.0 GHz) Taken from GROMACS Web Page: http://www.gromacs.org	
d.dppc	**time (s)**	**GFLOPS**	**Speedup**	**ps/day**	**ps/day**	**Ratio**
1 core	3612	1.17	1	239	183	0.77
4 cores	929	4.55	3.88	930		
8 cores	560	7.57	6.46	1543		
16 cores	391	10.84	9.25	2210		
d.villin	**time (s)**	**GFLOPS**	**Speedup**	**ps/day**	**ps/day**	**Ratio**
1 core	78	1.88	1	11095	9192	0.83
d.poly-ch2	**time (s)**	**GFLOPS**	**Speedup**	**ps/day**	**ps/day**	**Ratio**
1 core	90	0.82	1	4822	3696	0.77
d.lzm/pme	**time (s)**	**GFLOPS**	**Speedup**	**ps/day**	**ps/day**	**Ratio**
1 core	793	1.51	1	2179	1622	0.74
d.lzm/cutoff	**time (s)**	**GFLOPS**	**Speedup**	**ps/day**	**ps/day**	**Ratio**
1 core	531	1.55	1	3252	2568	0.79