

Relatório de Desempenho da Versão MPI (v1.1.1)

Gerado com Ftrace - 48hs

T042L28			T062L28			T126L28			T170L42		
300km			200km			100km			80km		
N cpu	Real Time	Speedup	N cpu	Real Time	Speedup	N cpu	Real Time	Speedup	N cpu	Real Time	Speedup
1	69,192765	1	1	159,346	1	1	891,377	1,000	1	2824,8313	1
2	38,367	1,8034448	2	88,266	1,8052961	2	446,993	1,994	2	1403,175	2,0131711
3	26,893	2,5728913	3	63,567	2,5067451	3	323,866	2,752	3	980,633	2,8806203
4	22,179	3,1197423	4	51,965	3,0664152	4	259,394	3,436	4	783,118	3,6071592
5	18,941	3,6530682	5	44,031	3,6189563	5	261,867	3,404	5	686,321	4,115904
6	17,238	4,0139671	6	40,939	3,8922853	6	207,696	4,292	6	598,245	4,7218637
7	16,338	4,2350817	7	39,149	4,0702512	7	201,330	4,427	7	568,661	4,9675137
8	15,439	4,481687	8	41,943	3,7991147	8	198,181	4,498	8	539,114	5,2397662
9	14,338	4,825831	9	34,701	4,5919791	9	159,841	5,577	9	428,512	6,5921872
10	13,564	5,1012065	10	30,419	5,2383795	10	155,106	5,747	10	397,325	7,1096239
11	13,07	5,2940142	11	31,356	5,0818429	11	147,084	6,060	11	381,946	7,3958919
12	14,547	4,7564972	12	29,775	5,3516798	12	137,503	6,483	12	364,987	7,7395396
13	12,838	5,3896841	13	30,028	5,3065894	13	147,714	6,034	13	372,588	7,5816487
14	12,558	5,5098555	14	28,885	5,5165749	14	145,512	6,126	14	359,102	7,8663759
15	12,885	5,3700244	15	29,133	5,469614	15	141,945	6,280	15	351,690	8,0321628
16	12,45	5,5576518	16	28,527	5,5858052	16	135,772	6,565	16	342,774	8,2410898
17	12,107	5,7151041	17	27,627	5,767773	17	117,039	7,616	17	302,12	9,3500309
18	11,011	6,2839674	18	29,960	5,3186337	18	116,935	7,623	18	295,094	9,5726492
19			19	26,840	5,9368952	19	135,277	6,589	19	341,139	8,2805875
20			20	25,681	6,204831	20	133,252	6,689	20	313,987	8,9966506
21			21	27,157	5,8675946	21	129,710	6,872	21	305,93	9,2335872
22			22	25,706	6,1987966	22	128,000	6,964	22	307,566	9,1844721
23			23			23	125,363	7,110	23	306,127	9,2276452
24			24			24	128,885	6,916	24	289,700	9,7508848
25			25			25	121,258	7,351	25	309,517	9,1265789
26			26			26	126,730	7,034	26	305,992	9,2317163
27			27			27	126,723	7,034	27	309,636	9,1230714
28			28			28	127,368	6,998	28	310,71	9,0915366
29			29			29	128,392	6,943	29	306,122	9,2277959
30			30			30	130,917	6,809	30	302,355	9,3427637
31			31			31	129,083	6,905	31	307,376	9,1901493
32			32			32	130,224	6,845	32	296,419	9,5298592

T213L42			T254L64			T341L64		
N cpu	Real Time	60km Speedup	N cpu	Real Time	50km Speedup	N cpu	Real Time	40km Speedup
1	4795,2246	1	1	16239,616	1	1	55390,014	1
2	2702,61	1,7742939	2	8463,446	1,9187948	2	27695,01	2
3	1808,033	2,6521776	3	5783,887	2,8077339	3	1	
4	1410,837	3,3988509	4	4498,606	3,6099218	4	1	
5	1183,057	4,053249	5	3710,65	4,3764882	5	1	
6	1014,998	4,7243685	6	3242,444	5,0084491	6	1	
7	934,568	5,1309531	7	2927,105	5,5480127	7	1	
8	873,779	5,4879146	8	2708,688	5,9953807	8	5886,684	9,4093744
9	718,891	6,6703082	9	2181,419	7,4445193	9	1	
10	680,703	7,044518	10	1990,595	8,1581717	10	1	
11	639,222	7,5016576	11	1919,044	8,4623468	11	1	
12	611,827	7,8375498	12	1778,222	9,1325019	12	1	
13	627,363	7,6434609	13	1697,835	9,5648964	13	1	
14	593,806	8,075406	14	1614,31	10,059788	14	1	
15	562,832	8,5198151	15	1609,182	10,091845	15	1	
16	553,591	8,6620349	16	1544,648	10,513474	16	3344,648	16,56079
17	551,658	8,6923865	17	1412,448	11,497496	17	1	
18	492,379	9,7388893	18	1330,429	12,2063	18	1	
19	521,963	9,1869051	19	1318,863	12,313346	19	1	
20	526,274	9,1116501	20	1291,839	12,570929	20	1	
21	490,178	9,7826189	21	1258,475	12,904202	21	1	
22	478,773	10,015654	22	1256,717	12,922254	22	1	
23	483,252	9,922824	23	1245,464	13,039009	23	1	
24	461,216	10,396917	24	1199,465	13,539049	24	2628,261	21,074777
25	465,853	10,293429	25	1238,502	13,112305	25	1	
26	447,131	10,724429	26	1159,574	14,004812	26	1	
27	455,786	10,520781	27	1137,431	14,277451	27	1	
28	472,591	10,146669	28	1137,997	14,27035	28	1	
29	479,298	10,004683	29	1120,309	14,495658	29	1	
30	473,983	10,11687	30	1151,139	14,107433	30	1	
31	469,905	10,204668	31	1107,616	14,661774	31	1	
32	446,532	10,738815	32	1061,161	15,303631	32	2394,566	23,131546