





Strong Scaling (Block size = 16, Problem size = 3000) (mac-login-intel.tum-mac.cos.lrz.de)									
Performance counters	#Threads						cache misses		
	4	8	16	32		#Threads	strong scaling	weak scaling	
Elapsed time(s)	127.8012759	65.20110385	32.5823622	18.17296917		4	114,049,936	2,351,639	
instructions	1,901,611,174,235	1,901,336,389,843	1,900,889,433,912	1,901,967,454,612		8	62,000,534	23,488,149	
cache-misses	114,049,936	62,000,534	45,292,453	31,945,107		16	45,292,453	155,603,861	
branch-misses	116,326,241	116,488,268	118,351,301	123,103,029		32	31,945,107	8,270,798,025	
page-faults	838	855	887	923					
cpu-migrations	16	13	34	508					
stalled-cycles-frontend	794,483,092,495	791,090,929,263	792,137,546,234	1,153,987,033,757			branch misses		
stalled-cycles-backend	150,968,395,222	148,523,869,321	149,623,462,458	259,446,040,558		#Threads	strong scaling	weak scaling	
L1-dcache-load-misses	677,424,897	669,967,012	720,397,803	792,061,281		4	116,326,241	4,419,033	
L1-dcache-prefetch-misses	1,683,667,823	1,700,101,204	1,626,841,606	1,422,325,139		8	116,488,268	34,712,423	
LLC-prefetch-misses	31,834	31,779	31,792	34,994		16	118,351,301	280,321,623	
dTLB-load-misses	3,755,146	2,864,690	6,261,822	25,891,880		32	123,103,029	2,332,833,673	
branch-load-misses	116,607,097	116,278,824	118,923,208	123,453,038					
							elapsed time(s)		
Weak Scaling (Block size = 16) (mac-login-intel.tum-mac.cos.lrz.de)						#Threads	strong scaling	weak scaling	
Performance counters	#Threads - Problem size								
	4 - 1000	8-2000	16-4000	32-8000					
Elapsed time(s)	4.774563494	20.32355616	77.02798791	347.5451793		4	127.8012759	4.774563494	
instructions	70,343,701,462	563,343,083,269	4,505,940,840,947	36,050,799,685,379		8	65.20110385	20.32355616	
cache-misses	2,351,639	23,488,149	155,603,861	8,270,798,025		16	32.5823622	77.02798791	
branch-misses	4,419,033	34,712,423	280,321,623	2,332,833,673		32	18.17296917	347.5451793	
page-faults	463	677	506	1,260					
cpu-migrations	7	23	36	11,047					
stalled-cycles-frontend	28,346,644,823	254,848,207,398	1,870,852,213,944	22,430,075,012,708					
stalled-cycles-backend	4,620,286,119	59,639,929,630	339,593,549,677	5,576,356,946,161					
L1-dcache-load-misses	23,711,722	178,695,884	2,389,586,378	30,676,587,251					
L1-dcache-prefetch-misses	63,777,709	557,082,797	1,909,105,387	24,133,955,294					
LLC-prefetch-misses	1,166	9,821	75,235	673,455					
dTLB-load-misses	109,061	1,047,096	18,852,642	704,559,533					
branch-load-misses	4,389,671	34,778,023	279,929,778	2,333,082,204					



