		performance	analysis study (I	xlogin5.lrz.de)					size	=2000					
Size	serial time(sec)	grid dimension			speedup	efficiency		#pro	cessors	MPI time					
	118.102	1 X 1	1			1.541966634			1						
	118.102	2 X 1	2	37.5593	3.1444143	1.57220715			2	16.2914					
	118.102	2 X 2	4	21.3492	5.531916887	1.382979222			4	9.24359					
3000	118.102	3 X 3	9	17.4781	6.757141795	0.7507935327			9	7.37498					
	118.102	4 X 4	16	15.867	7.443246991	0.4652029369			16	6.58865					
	118.102	5 X 4	20	26.3032	4.490024027	0.2245012014			20	11.7729					
	118.102	6 X 6	36	14.8062	7.976523348	0.221570093			36	5.69298					
	118.102	7 X 7	49	11.0061	10.73059485	0.2189917317			49	3.63687					
	118.102	9 X 9	81	5.96457	19.80058915	0.2444517178			81	1.4612					
	118.102	13 X 13	169	6.60304	17.88600402	0.1058343433			169	1.46115					
	118.102	17 X 17	289	8.60037	13.73219989	0.04751626261			289	2.37234					
	62.6418	1 X 1	1	34.2421	1.829379623	1.829379623								-	
	62.6418	2 X 1	2	16.2914	3.845083909	1.922541955									
	62.6418	2 X 2	4	9.24359	6.776782614	1.694195653		Λ	MPI time wrto processors (size=2000)						
	62.6418	3 X 3	9	7.37498	8.493826424	0.9437584915	30 (sec) 10 0	40						<ul> <li>MPI time</li> </ul>	
	62.6418	4 X 4	16	6.58865	9.507531892	0.5942207432									
2000	62.6418	5 X 4	20	11.7729	5.32084703	0.2660423515		T							
	62.6418	6 X 6	36	5.69298	11.00334096	0.3056483599		30							
	62.6418	7 X 7	49	3.63687	17.22409654	0.3515121744									
	62.6418	9 X 9	81	1.4612	42.87010676	0.5292605773		20							
	62.6418	13 X 13	169	1.46115	42.87157376	0.2536779512		•							
	62.6418	17 X 17	289	2.37234	26.40506841	0.09136701873			•						
	23.034	1 X 1	1	12.512	1.840952685	1.840952685		10							
	23.034	2 X 1	2	4.99054	4.615532588	2.307766294									
	23.034	2 X 2	4	2.62577	8.77228394	2.193070985				•	•		•		
	23.034	3 X 3	9	2.2329	10.3157329	1.146192545		0		75 1	50	225	30	0	
	23.034	4 X 4	16	1.24307	18.52992993	1.158120621		#processors							
1250	23.034	5 X 4	20	3.22002	7.153371718	0.3576685859									
	23.034	6 X 6	36	1.0172	22.64451435	0.6290142876									
	23.034	7 X 7	49	0.540927	42.58245567	0.8690297076									
	23.034	9 X 9	81	0.306934	75.04544951	0.926487031									
	23.034	13 X 13	169	0.700922	32.86242977	0.1944522472									
	23.034	17 X 17	289	1.13697	20.25910974	0.07010072574									
	2.29717	1 X 1	1	1.22649	1.872962682	1.872962682									
	2.29717	2 X 1	2	0.651036	3.528483832	1.764241916									
500	2.29717	2 X 2	4	0.302923	7.583346263	1.895836566									
	2.29717	3 X 3	9	0.178099	12.89827568	1.433141742									
	2.29717	4 X 4	16	0.10359	22.1755961	1.385974756									
	2.29717	5 X 4	20	0.15082	15.23120276	0.7615601379									
	2.29717	6 X 6	36	0.107402	21.38852163	0.5941256008									
	2.29717	7 X 7	49	0.086527	26.54859177	0.5418079953									

2.29717       9 X 9       81       0.086629       26.51733253       0.3273744757         2.29717       13 X 13       169       0.268138       8.567118424       0.05069300843         2.29717       17 X 17       289       0.616672       3.725108323       0.01288964818	
0.166802 1 X 1 1 0.105718 1.57780132 1.57780132	
0.166802 2 X 1 2 0.053455 3.120419044 1.560209522	
0.166802 2 X 2 4 0.028053 5.945959434 1.486489858	
0.166802 3 X 3 9 0.015513 10.75240121 1.194711246	
0.166802 4 X 4 16 0.010085 16.53961329 1.03372583	
200 0.166802 5 X 4 20 0.01801 9.261632426 0.4630816213	
0.166802 6 X 6 36 0.017329 9.625598707 0.2673777419	
0.166802 7 X 7 49 0.015328 10.88217641 0.2220852328	
0.166802 9 X 9 81 0.03881 4.297912909 0.0530606532	
0.166802 13 X 13 169 0.141477 1.179004361 0.00697635716	
0.166802 17 X 17 289 0.324533 0.5139754663 0.00177846182	
0.023101 1 X 1 1 0.020641 1.119180272 1.119180272	
0.023101 2 X 1 2 0.007739 2.985010983 1.492505492	
0.023101 2 X 2 4 0.004695 4.920340788 1.230085197	
0.023101 3 X 3 9 0.003645 6.337722908 0.7041914342	
0.023101  4 X 4	
100 0.023101 5 X 4 20 0.006368 3.627669598 0.1813834799	
0.023101 6 X 6 36 0.007508 3.076851359 0.08546809329	
0.023101 7 X 7 49 0.007804 2.960148642 0.06041119677	
0.023101 9 X 9 81 0.029722 0.7772357177 0.00959550268	
0.023101 13 X 13 169 0.155375 0.1486790024 0.00087975741	
0.023101 17 X 17 289 0.237973 0.09707403781 0.00033589632	
0.003787 1 X 1 1 0.003499 1.082309231 1.082309231	
0.003787 2 X 1 2 0.002655 1.426365348 0.7131826742	
0.003787 2 X 2 4 0.001294 2.926584235 0.7316460587	
0.003787 3 X 3 9 0.001495 2.533110368 0.2814567075	
0.003787 4 X 4 16 0.001921 1.971369079 0.1232105674	
50 0.003787 5 X 4 20 0.003971 0.9536640645 0.04768320322	
0.003787 6 X 6 36 0.004723 0.8018208766 0.02227280213	
0.003787 7 X 7 49 0.004384 0.8638229927 0.01762904067	
0.003787 9 X 9 81 0.026823 0.1411848041 0.00174302227	
0.003787 13 X 13 169 0.106754 0.0354740806 0.00020990580	
0.003787 17 X 17 289 0.173267 0.02185644122 0.00007562782	
0.000683 1 X 1 1 0.000242 2.82231405 2.82231405	
0.000683 2 X 1 2 0.000575 1.187826087 0.5939130435	
0.000683 2 X 2 4 0.00066 1.034848485 0.2587121212	
10 0.000683 3 X 3 9 0.000334 2.04491018 0.2272122422	
0.000683 4 X 4 16 0.000479 1.425887265 0.08911795407	
0.000683 5 X 4 20 0.001542 0.4429312581 0.02214656291	
0.000683 6 X 6 36 0.001498 0.455941255 0.01266503486	

0	0.000683	7 X 7	49	0.001498	0.455941255	0.00930492357			
0	0.000683	9 X 9	81	0.020912	0.0326606733	0.00040321818			
0	0.000683	13 X 13	169	0.070417	0.00969936237	0.00005739267			
0	0.000683	17 X 17	289	0.149058	0.00458210897	0.00001585504			

