Heat DISTRIBUTION 2D jacobi iteration										
128x128 in seconds for operation				SPEEDUP =	SPEEDUP = Ts / Tp					
Cores	100	250	500	1000	avg. sp-up	Cores	100	250	500	1000
1	0.138	0.344	0.688	1.379	1	1	1	1	1	1
4	0.069	0.172	0.336	0.681	2.018146	4	2	2	2.047619	2.024963
8	0.061	0.154	0.309	0.612	2.243967	8	2.262295	2.233766	2.226537	2.253268
16	0.102	0.255	0.511	1.027	1.347772	16	1.352941	1.34902	1.34638	1.342746
32	0.192	0.451	0.952	1.862	0.736198	32	0.71875	0.762749	0.722689	0.740602
64	0.369	0.997	2.653	3.946	0.331954	64	0.373984	0.345035	0.259329	0.349468
512x512	in secor	nds for op	eration	l						
Cores	100	250	500	1000	avg. sp-up	Cores	100	250	500	1000
1	3.62	9.125	18.12	36.15	1	1	1	1	1	1
4	1.455	3.653	7.23	14.53	2.494836	4	2.487973	2.497947	2.505809	2.487614
8	0.76	1.9	3.868	7.618	4.748736	8	4.763158	4.802632	4.683816	4.74534
16	0.447	1.106	2.229	4.473	8.139643	16	8.098434	8.250452	8.12786	8.081824
32	0.351	0.89	1.748	3.515	10.30378	32	10.31339	10.25281	10.36442	10.2845
64	0.466	1.155	2.306	4.584	7.852815	64	7.76824	7.900433	7.856461	7.886126
1024x1024 in seconds for operation										
Cores	100	250	500	1000	avg. sp-up	Cores	100	250	500	1000
1	14.692	36.601	73.42	147.2	1	1	1	1	1	1
4	5.829	14.64	29.14	58.31	2.516019	4	2.520501	2.500068	2.519233	2.524276
8	2.993	7.461	15.14	29.84	4.898865	8	4.908787	4.905643	4.848953	4.932078
16	1.641	3.964	7.976	15.9	9.162391	16	8.953077	9.23335	9.204865	9.258271
32	1.03	2.491	5.079	10.19	14.46317	32	14.26408	14.6933	14.45521	14.44011
64	0.928	2.347	4.64	9.197	15.81336	64	15.8319	15.5948	15.82284	16.00391

## EFFICIENCY = Ts / nTp

Cores		100	250	500	1000
	1	1	1	1	1
	4	0.5	0.5	0.511905	0.506241
	8	0.282787	0.279221	0.278317	0.281658
	16	0.084559	0.084314	0.084149	0.083922
	32	0.022461	0.023836	0.022584	0.023144
	64	0.005843	0.005391	0.004052	0.00546

Cores		100	250	500	1000
	1	1	1	1	1
	4	0.621993	0.624487	0.626452	0.621903
	8	0.595395	0.600329	0.585477	0.593167
	16	0.506152	0.515653	0.507991	0.505114
	32	0.322293	0.3204	0.323888	0.32139
	64	0.121379	0.123444	0.122757	0.123221

Cores		100	250	500	1000
	1	1	1	1	1
	4	0.630125	0.625017	0.629808	0.631069
	8	0.613598	0.613205	0.606119	0.61651
	16	0.559567	0.577084	0.575304	0.578642
	32	0.445752	0.459165	0.451725	0.451253
	64	0.247373	0.243669	0.247232	0.250061







