mpi-manual

Source matrix initialized to value of row for each column									Progr	am –	calcu	late r	esults	usin	g dot	prod	uct				
Α	0	1	2	3	4	5	6	7	8	9	Cijk	0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9	10	0	55	110	165	220	275	330	385	440	495	550
1	1	2	3	4	5	6	7	8	9	10	1	55	110	165	220	275	330	385	440	495	550
2	1	2	3	4	5	6	7	8	9	10	2	55	110	165	220	275	330	385	440	495	550
3	1	2	3	4	5	6	7	8	9	10	3	55	110	165	220	275	330	385	440	495	550
4	1	2	3	4	5	6	7	8	9	10	4	55	110	165	220	275	330	385	440	495	550
5	1	2	3	4	5	6	7	8	9	10	5	55	110	165	220	275	330	385	440	495	550
6	1	2	3	4	5	6	7	8	9	10	6	55	110	165	220	275	330	385	440	495	550
7	1	2	3	4	5	6	7	8	9	10	7	55	110	165	220	275	330	385	440	495	550
8	1	2	3	4	5	6	7	8	9	10	8	55	110	165	220	275	330	385	440	495	550
9	1	2	3	4	5	6	7	8	9	10	9	55	110	165	220	275	330	385	440	495	550

MANU	MANUAL										CBLAS										
Program – calculate results using for loops									Program – calculate results using clas												
Cijk	0	1	2	3	4	5	6	7	8	9	Cijk	0	1	2	3	4	5	6	7	8	9
0	55	110	165	220	275	330	385	440	495	550	0	55	110	165	220	275	330	385	440	495	550
1	55	110	165	220	275	330	385	440	495	550	1	55	110	165	220	275	330	385	440	495	550
2	55	110	165	220	275	330	385	440	495	550	2	55	110	165	220	275	330	385	440	495	550
3	55	110	165	220	275	330	385	440	495	550	3	55	110	165	220	275	330	385	440	495	550
4	55	110	165	220	275	330	385	440	495	550	4	55	110	165	220	275	330	385	440	495	550
5	55	110	165	220	275	330	385	440	495	550	5	55	110	165	220	275	330	385	440	495	550
6	55	110	165	220	275	330	385	440	495	550	6	55	110	165	220	275	330	385	440	495	550
7	55	110	165	220	275	330	385	440	495	550	7	55	110	165	220	275	330	385	440	495	550
8	55	110	165	220	275	330	385	440	495	550	8	55	110	165	220	275	330	385	440	495	550
9	55	110	165	220	275	330	385	440	495	550	9	55	110	165	220	275	330	385	440	495	550

Source matrix initialized to value of row for each column														
В	0	1	2	3	4	5	6	7	8	9				
0	1	2	3	4	5	6	7	8	9	10				
1	1	2	3	4	5	6	7	8	9	10				
2	1	2	3	4	5	6	7	8	9	10				
3	1	2	3	4	5	6	7	8	9	10				
4	1	2	3	4	5	6	7	8	9	10				
5	1	2	3	4	5	6	7	8	9	10				
6	1	2	3	4	5	6	7	8	9	10				
7	1	2	3	4	5	6	7	8	9	10				
8	1	2	3	4	5	6	7	8	9	10				
9	1	2	3	4	5	6	7	8	9	10				

Infinity Norm : max of !total of each row											
MANUAL	CBLAS										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										
3,025	3,025										

Program – difference from dot.product											Program – difference from dot-product											
Cijk	0	1	2	3	4	5	6	7	8	9	Cijk	0	1	2	3	4	5	6	7	8	9	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	