

# Timemeasurement

$$A[n][n] * B[n][n] = C[n][n]$$

n	processes	Time [s]	
		MPI	PTHREAD
500	8	0.277662	<u>0.244219</u>
		0.244350	<u>0.240381</u>
		0.305648	<u>0.244892</u>
	16	<u>0.207083</u>	0.267841
		<u>0.159913</u>	0.267274
		0.279896	<u>0.228148</u>
	32	0.361234	<u>0.312677</u>
		0.473314	<u>0.305141</u>
		0.391363	<u>0.293660</u>
1000	8	<u>3.284362</u>	3.835095
		<u>3.222849</u>	3.810630
		<u>3.245254</u>	3.843659
	16	2.574760	<u>1.988408</u>
		<u>1.644286</u>	1.992629
		<u>1.757931</u>	2.328814
	32	4.380270	<u>2.132364</u>
		4.298220	<u>2.160070</u>
		4.227833	<u>2.351025</u>
2000	8	<u>28.328289</u>	32.744265
		<u>27.644677</u>	32.303846
		<u>28.418425</u>	33.369950
	16	<u>14.992963</u>	17.164622
		<u>15.594623</u>	17.117347
		<u>15.915800</u>	16.877903
	32	19.923037	<u>18.369969</u>
		20.358739	<u>17.193123</u>
		22.733274	<u>17.765712</u>