

Low pass filter project

team 2

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test	N*N	2N*2N	5N*5N	10N*10N	10 pic 5N*5N
Sequential	835 ms	3307 ms	21266 ms	84261 ms	891342 ms
MPI sol	252 ms	932 ms	5014 ms	21392 ms	242634 ms

Enhancements :

Accuracy :

- covered edges and corners of the picture by checking before access to keep considering the edges and corners pixels
- performing average calculating step is enhanced with a counter to check if any lost pixels
- sending the data to processors is sending the whole image to cover the collision points

time :

- working with all available processors
- in sequential solution we changed the kernel code to another with less conditions as no collision points between the processors but calculations done on the old code to prove time changes with the parallel solution