Background Image subtraction

# Team members:

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About the project  
The project is handled in 6 ways:

1. First serially and the code is saved in file serial.cpp
2. Using openMP where for each picture we parallelize the addition of its values to the cumulative array sums. This is handled in file omp1.cpp
3. Using openMP where we parallelize on the whole subtraction of the pictures where each thread do the subtraction for some pictures. It’s saved in file omp2.cpp
4. Using MPI where each process read all the images but carry the summation process for a number of images. The Master process gather the whole data and carry out the subtraction. The code is saved in mpi1.cpp
5. Using MPI where each process read some of images and sum them, the Master process gather them, divide the values on the total number of images and carry the subtraction process. The code is saved in mpi2.cpp
6. Using MPI and openMP where the code is a hybrid between omp1 and mpi1