PARALLELIZATION OF AN INFORMATION TRANSFERRING ALGORITHM BETWEEN BINARY FILES

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Abstract

Through this paper I'm presenting a new method of parallelization of information transfer between files, in this case I'm using binary files, through the use of OPENMP library and functions. While I started writing the information transfer code and then parallelizing it, I had an idea that through this I surely would obtain positive results compared to the code executed by just one thread. Then I realized that the bigger was the file I used as an input, the clearer would be the results of time profit. To test the algorithm for various times and various file sizes I would need also binary files with a size well defined, so I wrote two simple programs to help me make those files and then read their size in a precise way.

Keywords: parallel code, c programming, information transfer, binary files, OpenMP