



UDC 519.681.5

## Using Parallel Computing Technologies for Modeling of Metallic Photonic Crystals

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This article presents opportunities of using parallel computing technologies Message Passing Interface and Open Computing Language for modeling of metallic photonic crystals with the method of Green's functions and integral equations. The efficiency of these technologies is analyzed and the results are presented.

*Key words:* parallel computing, MPI, OpenCL, photonic crystals.

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