

Parallel Implementation of Explicit 2 and 3-Point Block Method for Solving System of Special Second Order ODEs Directly

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ABSTRACT

In this paper the explicit 2 and 3-point block method for solving large systems of special second order ODEs directly is discussed. Codes based on the methods are executed in sequential and parallel. The numerical results show that parallel execution of the methods is more efficient compared to sequential counterpart for solving the large system of special second order ODEs.