

**Title of Article:** Modified block method for the direct solution of second order ordinary differential equations.

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**Outlet:** International Journal of Applied Mathematics and Computation, 3(3), 181-188. (2011)

**Abstract:** The direct solution of general second order ordinary differential equations is considered in this paper. The method is based on the collocation and interpolation of the power series approximate solution to generate a continuous linear multistep method. We modified the existing block method in order to accommodate the general  $n$ th order ordinary differential equation. The method was found to be efficient when tested on second order ordinary differential equation.