

Title of Article: Four steps implicit method for the solution of general second order ordinary differential equation.

Author(s): Osilagun, J. A., Adesanya, A. O., **Anake, T. A.**, Oghonyon, G. J.

Outlet: Journal of Natural Sciences, Engineering and Technology, 8(1), 52-61. (2009).

Abstract: Four steps implicit scheme for the solution of second order ordinary differential equation was derived through interpolation and collocation method. Newton polynomial approximation method was used to generate the unknown parameters in the corrector. The method was tested with numerical examples and it was found to be efficient in solving second order ordinary differential equations