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Johnson A Osilagun* (josilagun@unilag.edu.ng), Department of mathematics, University of Lagos, Lagos, +234, Nigeria. *a new modification of laplace decomposition method for nonlinear differential equations.*

this paper present a new modification of laplace decomposition method in solving nonlinear differential and partial differential equations. the proposed technique does not require the evaluation of adomian polynomials to approximate the nonlinear terms. numerical examples are used to show the reliability of the proposed method in terms of the convergence, accuracy and efficiency of the algorithm (Received September 22, 2015)