

Title Mahgoub Adomian Decomposition Method For Solving Newell-Whitehead-Segel Equation

Abstract Mahgoub Adomian decomposition method (MADM) is used to find the solution of Newell- Whitehead- Segel equation (NWSE). This method is studied for some applications from NWSE. As the results, the method is efficient and easy to use.

Key words Mahgoub Adomian decomposition method, Mahgoub transform, Adomian decomposition method (ADM), Differential equations (DEs) and Newell-Whitehead- Segel equation.

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