

# THE HOMOTOPY METHOD TO SOLVE DYNAMICAL SYSTEMS AND BOUNDARY VALUE PROBLEMS FOR DIFFERENTIAL EQUATIONS

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In this paper we have discussed the analytical solution of boundary value problem  $f''' - ff'' + 4(1 - f'^2) + M(1 - f') = 0$ ;  $f(0) = K$ ,  $f'(0) = 0$ ,  $f'(\infty) = 1$  by homotopy analysis method and also analytical solution of some nonlinear dynamical systems by homotopy analysis method

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