

approximate analytical solution of the boussinesq equation

Thu, 08 Nov 2018 20:24:00 GMT
 approximate analytical solution of the pdf - PDF | An approximate analytical solution is derived for a certain class of stochastic differential equations with constant diffusion, but nonlinear drift coefficients. Wed, 07 Nov 2018 12:54:00 GMT (PDF) Approximate analytical solutions for a class of ... - The approximate analytical solution is derived. The results agree well with that of the numerical simulation. The vibrating mechanism of Dragon Washbasin is thus explained. Moreover, the proposed approach is an efficient approximate analytical method for the study of self-excited vibration induced by dry friction. Mon, 05 Nov 2018 14:08:00 GMT APPROXIMATE ANALYTICAL SOLUTION OF THE - Springer - PDF | This study describes an analytical method to study two well-known systems of nonlinear oscillators. One of these systems deals with the strongly nonlinear vibrations of an elastically ... Mon, 12 Nov 2018 14:21:00 GMT (PDF) On the Approximate Analytical Solution to Non-Linear ... - Approximate analytical solutions using the Forchheimer equation will be presented in this paper, which will serve in better understanding the qualitative and quantitative behavior of inertial flows.

These solutions may serve as a tool to check the accuracy of numerical codes. Sun, 17 Dec 2017 00:43:00 GMT Approximate analytical solutions of the Forchheimer equation - The analytical scheme (5) allows not only receiving the approached analytical solution, but also gives the chance in creation of the qualitative scheme. Comparisons of exact and difference solutions are on Figure 4 reduced. Mon, 12 Nov 2018 02:11:00 GMT Computing Technology of a Method of Control Volume for ... - The other factor of the solution is defined as $\int_0^s \dot{I}(s) \dot{I}(s) ds = \dot{I}(s) \dot{I}(s)$. (6) In the method, the polynomial $\dot{I}(s)$, and the parameter k are defined as [27] $\dot{I}(s) = 1 - 2 [\dot{I}(s) \dot{I}(s) \hat{I}, \dot{I}(s)] \pm n1 - 4 [\dot{I}(s) \dot{I}(s) \hat{I}, \dot{I}(s)]^2 \hat{I} \dot{I}(s) + k \dot{I}(s) \hat{I} \dot{I}(s)$ (7) and $\hat{I} = k + \dot{I}(s) \dot{I}(s)$. (8) where \hat{I} is a constant, and given in Eq. (3). Since square root in the polynomial $\dot{I}(s)$ in Eq. Mon, 29 Oct 2018 20:57:00 GMT Approximate Analytical Solutions of the Klein-Gordon ... - Approximate analytical solutions of Newell-Whitehead-Segel equation using a new iterative method — Jayvant Patade, Sachin Bhalekar Department of Mathematics, Shivaji University, Kolhapur 416004, India (Received November 24 2014, Accepted March 12 2015)

Abstract. The Newell-Whitehead-Segel equation is an important model arising in fluid mechanics. Tue, 30 Oct 2018 18:54:00 GMT Approximate analytical solutions of Newell-Whitehead-Segel ... - In this note we extend the analytical solution of Parlange et al. [1992] on the Bruce and Klute [1956] equation to solve (1) subject to (2), (3), and (4). The method is based on the work of Heaslet and Alksne [1961]. The new analytical solution is compared with the numerical solution for a range of cases. Sun, 11 Nov 2018 05:32:00 GMT Approximate analytical solution of the Boussinesq equation ... - Approximate Analytical Solution of the Nonlinear Diffusion Equation for Arbitrary Boundary Conditions J.-Y. PARLANGE1, ... A general approximation for the solution of the one-dimensional nonlinear diffusion ... Table I. Exact and approximate estimates of $S=S_0$ when $D=D_0 D.1 \hat{I} / \hat{I}^2$... Wed, 24 Oct 2018 20:27:00 GMT Approximate Analytical Solution of the Nonlinear Diffusion ... - 58 O. Tasbozan, A. Kurt: Approximate Analytical Solution of ZK-BBM Equation which must be one of the solutions of the original nonlinear equation, as proved by Liao [2,5]. Mon, 05 Nov 2018 15:27:00 GMT Approximate Analytical

approximate analytical solution of the boussinesq equation

Solution of ZK-BBM Equation - the solution of GKS equation. Using B-spline functions, a method to solve GKS equation is proposed in [25]. The organization of this paper is as follows: In Section 2, a short description of HAM is presented. Section 3 provides some experimental results as an application of HAM to obtain approximate analytical solution of the KS equation. Sun, 11 Nov 2018 00:32:00 GMT A New Approximate Analytical Solution of Kuramoto ... - the approximate analytical formulas for the exact period and periodic solution. These approximate solutions are valid for small as well as large amplitudes of oscillation. Two examples are presented to illustrate that the proposed formulas can give excellent approximate results. Fri, 09 Nov 2018 01:39:00 GMT A New Method for Approximate Analytical Solutions to ... - Approximate analytical solutions to the initial data problem of black hole binary systems ... We present approximate analytical solutions to the Hamiltonian and momentum constraint equations, cor- ... approximate data may be more tractable in a full ~computational! exact solution to the initial value problem. Sun, 29 Jul 2018 03:19:00 GMT

Approximate analytical solutions to the initial data ... - approximate analytical solutions for the time-dependent Emden-Fowler-type equations, and to do a numerical comparison between VIM and exact solution for solving the time-dependent Emden-Fowler-type equations. Am. J. Applied Sci., 4 (7): 439-443, 2007 440 VARIATIONAL ITERATION METHOD Approximate Analytical Solutions For Time-Dependent Emden ... - An approximate analytic solution of the Blasius problem Faiz Ahmad a,* , Wafaa H. Al-Barakati b a Centre for Advanced Mathematics and Physics, National University of Science and Technology, EME Campus, Peshawar Road, An approximate analytic solution of the Blasius problem - kau -

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