

**Volume 7 No.2 2022**

**ISSN 2519-4445**

**ADVANCED  
MATHEMATICAL  
MODELS &  
APPLICATIONS**

 **Jomard  
Publishing**

**CONTENTS**  
**Vol.7, No.2. 2022**

**A. Ashyralyev, F. Emharab (pp.105-120)**

A note on the time identification nonlocal problem

**K. Sayevand, H. Jafari (pp.121-129)**

A promising coupling of Daftardar-Jafari method and He's fractional derivation to approximate solitary wave solution of nonlinear fractional KDV equation

**A. Chandola, R.M. Pandey, R. Agarwal, L. Rathour, V. Narayan Mishra (pp.130-145)**

On some properties and applications of the generalized m-parameter Mittag-Leffler function

**A.M. Akhmedov (pp.146-155)**

Multiple band difference operator-matrices with returned sequences

**K. Boumzough, A. Azzouzi, A. Boudi (pp.156-167)**

The incomplete LU preconditioner using both CSR and CSC formats

**B. Babajanov, F. Abdikarimov (pp.168-177)**

Expansion method for the loaded modified Zakharov-Kuznetsov equation

**Z.F. Khankishiyev (pp.178-190)**

Solution of one problem for linear loaded parabolic type of differential equation with integral conditions

**M.K. Sharma, Sadhna, A.K. Bhargava, S. Kumar, L. Rathour, L. Narayan Mishra, S. Pandey (pp.191-204)**

A Fermatean fuzzy ranking function in optimization of intuitionistic fuzzy transportation problems

**G. Ismayilova (pp.205-213)**

On reducing the continuation problem for an elliptic equation to an optimal control problem and its study

**A. Raji, M. Oukessou, A. Belharrate (pp.214-222)**

Jordan ideals with multiplicative derivations in 3-prime near-rings

**W.A. Khan, M. Kamarujjama, Daud (pp.223-240)**

A note on Appell-type  $\lambda$ -Daehee-Hermite polynomials and numbers

**A.S. Farajov (pp.241-248)**

On a solvability of the nonlinear inverse boundary value problem for the Boussinesq equation

**BOOK REVIEW**

**C. Cattani, Y. Gasimov (pp.249-250)**

*Mathematical Modelling* by Simov Serovajsky, S. (2021)