

Laboratoire: de Mathématiques Appliquées et de Modélisation- LMAM -

Communications Nationale 2022

N°	Titre	Auteurs	Intitulé de manifestation	Année	Volume	Page	URL
01	Study of nonlinear Volterra-Fredholm equations system	Belhireche Hanane	6th International Workshop on Applied Mathematics and Modeling "WIMAM'2022"	2022			
02	Common fixed point theorems for several functions in generalized b-metric spaces	Bazine Safia	6th International Workshop on Applied Mathematics and Modeling "WIMAM'2022"	2022			
03	Numerical solution of liner fredholm integro-differential equation with weakly singular kernel, International Congress on Fundamental and Applied Sciences.	Boutheina TAIR	Third National Mathematics Seminar, Université Constantine 1	2022			
04	7. Numerical solution of the non-linear Volterra integral equation of the first kind	Boutheina TAIR	Nouvelles Tendances en Mathématiques Théoriques et Computationnelles, Université Tamangheset	2022			
05	Using projection methods to solve linear Fredholm intgro-differential Equation	Boutheina TAIR	The Second National Conference on Mathematics and its Applications (2nd SCNMA 2022).	2022			
06	An adaptive version of the conjugate gradient parameter β CD k using the Newton direction for unconstrained optimization	Naima HAMEL , Noureddine BENRABIA , Mourad GHIAT and Hamza GUEBBAI	The Second National Conference on Mathematics and its Applications (2nd SCNMA 2022) September 17-18, Bordj Bou Arréridj, Algeria	2022			
07	A modified Conjugate Gradient method based on the Newton direction for solving unconstrained optimization problems	Naima HAMEL , Noureddine BENRABIA , Mourad GHIAT and Hamza GUEBBAI	Third National Mathematics Seminar 2022 , Brothers Mentouri University of Constantine Algeria	2022			

08	General Newton method for solving systems of nonlinear Fredholm integral equations	Ilyes SEDKA, Samir LEMITA, Mohamed Zinne AISSAOUI	3rd National Seminaire of Mathematics, Mentouri University Constantine 1, Algeria	2022			
09	High-order hyperbolic equation :theoretical and numerical studies	Khalfallaoui Roumaissa	Third National Mathematics seminar 2022, Costantine 1-Algeria	2022			
10	Solving Nonlinear Fredholm Integro-Differential Equations By Using Legender's Wavelets	Youcef Henka	The Second National Conference on Mathematics and its Applications	2022			
11	The Second Kind of Chebyshev Polynomials to Solve Intrgro-Differential Equations with Weakly Singular Kernels	Youcef Henka	Rencontre Nationale sur les Mathématiques Appliquées	2022			
12	SOLVING FRACTIONAL NONLINEAR INTEGRO-DIFFERENTIAL EQUATIONS BY USING HERMITE WAVELETS	Youcef Henka	THE SECOND NATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS	2022			
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01	Rencontre Algéro-Tunisienne de Dynamique Symbolique	Djenaoui Saliha	Université de Bejaia	2022			
02	Collocation and Kantorovich methods for solving linear integro-differential equation	Boutheina TAIR	6th INTERNATIONAL CONFERENCE ON MATHEMATICS, Istanbul	2022			
03	Using generalized Jacobi method to solve linear Fredholm integro-differential equation	Boutheina TAIR	6th International Workshop on Applied Mathematics and Modeling "WIMAM'2022	2022			
04	MODELISATION ASYMPTOTIQUE DES PROBLEMES D'EVOLUTIONS PAR LES DERIVEES FRACTIONNAIRES CONFORMES	Mohamed Lamine MERIKHI	6th International Workshop on Applied Mathematics and Modelling	2022			

05	MODELISATION ASYMPTOTIQUE DES PROBLEMES D'EVOLUTIONS PAR LES DERIVEES FRACTIONNAIRES CONFORMES	Mohamed Lamine MERIKHI	2nd International Seminar on Industrial Engineering and Applied Mathematics	2022			
06	A new conjugate gradient method as a modified Conjugate Descent method using the Newton direction for unconstrained optimization	Naima HAMEL , Nouredine BENRABIA , Mourad GHIAT and Hamza GUEBBAI	6th INTERNATIONAL HYBRID CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians" 21-24 June 2022, Istanbul, Turkey	2022			
07	A convex combination between two different descent directions of conjugate gradient method using the Newton direction for unconstrained optimization	Naima HAMEL , Nouredine BENRABIA , Mourad GHIAT and Hamza GUEBBAI	6ème Workshop International sur les Mathématiques Appliquées et la Modélisation « WIMAM'2022»	2022			
08	Employing Newton's method to modify the CD-conjugate gradient method for unconstrained optimization	Naima HAMEL , Nouredine BENRABIA , Mourad GHIAT and Hamza GUEBBAI	INTERNATIONAL CONFERENCE ON MATHEMATICS APPLIED IN LIFE SCIENCES, June 23-24, 2022, Iași, Romania	2022			
09	Linearizing then discretizing by Kantorovich projection or by Nystrom process for solve nonlinear integral equations " What is the better process "	Ilyes SEDKA, Samir LEMITA, Mohamed Zinne AISSAOUI	6th INTERNATIONAL CONFERENCE ON MATHEMATICS, ISTANBUL, TURKEY	2022			
10	The Inverse Version Of Classical Methods To Solve Systems Of Nonlinear Integro-Differential Equations	Ilyes SEDKA, Samir LEMITA, Mohamed Zinne AISSAOUI	COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING (CMSE-2022), India	2022			
11	New scheme to solve systems of nonlinear integral equations by linearizing first then discretizing	Ilyes SEDKA, Mohamed Zinne AISSAOUI	INTERNATIONAL E-CONFERENCE ON PURE AND APPLIED MATHEMATICAL SCIENCES (ICPAMS-2022), Tunisia	2022			

12	Unlike classical processes, linearizing first, then discretizing is the better process to solve systems of nonlinear integral equations	Ilyes SEDKA, Ammar KHELLAF, Mohamed Zinne AISSAOUI	1st International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences (ISCDFAMS 2022), Turkey	2022			
13	(C-L-D) New Approach for Regular and Weak Singular Mixed System of Integro-Differential Equations	Ilyes SEDKA, Ammar KHELLAF, Mohamed Zinne AISSAOUI	6th International Workshop on Applied Mathematics and Modelling « WIMAM'2022 », Guelma, Algeria	2022			
14	High-order hyperbolic equation with variable exponent	Khalfallaoui Roumaissa	6th international conference on mathematics, 2022, Istanbul, Turkey	2022			
15	Hyperbolic equation with $p(x)$ -Laplacian: theoretical and numerical studies	khalfallaoui Roumaissa	6th international workshop on Applied Mathematics and Modelling, 2022, Guelma, Algeria	2022			
16	Applying Projection Methods to solve Nonlinear Fredholm Integro-Differential Equations	Youcef Henka	Partial Differential Equations and Related Topics	2022			
17	Applying wavelets method to approximate nonlinear Fredholm integro-differential equations	Youcef Henka	6th INTERNATIONAL CONFERENCE ON MATHEMATICS	2022			
18	Chebyshev Polynomials of Second Kind to Approximate Nonlinear Singular Fredholm Integro-Differential Equations	Youcef Henka	International E-Conference on Mathematical and Statistical Science	2022			
19	Galerkin-Wavelets Chebyshev to Solve Nonlinear Fredholm Integro-Differential Equations	Youcef Henka	The Sixth International Conference on Analysis and Applied Mathematics ICAAM2022	2022			

20	Numerical Study for a Second Order Nonlinear Fredholm Integro-Differential Equation by Applying Galerkin Method	Youcef Henka	e 6th International Workshop on Applied Mathematics and Modelling « WIMAM'2022 »	2022			
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