

SCIENTIFIC RESEARCH

Dr NASSER ANWAR ABDUL ALIM

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- [7] N. A. Abdul Alim "The New Better Than Used in Failure Rate Class at Specific Time" (send for publication)

DR MAHMOUD HASSAN SHEHATA

- [1]. THE MELTING PROCESS WITH MOVING BOUNDARY FOR MIXTURE CONSISTING OF TO FLUIDS, M. R. ABD. EL-SALAM and M. H. SHEHATA Int. J. Engng Sci. Vol. 36. No. 5/6,pp. 625-634, 1998

- [2]. Coordinate transformation and implicit time discretization for diffusion in glassy poly, M. R. ABD. EL-SALAM and M. H. SHEHATA, Applied Mathematics and Computation 113 (2000) 199-218

DR HEDI ELMONSER

- [1]. Elements of harmonic analysis related to the third basic zero order Bessel function, J. Math. Anal. Appl., 342, No. 2, 1203-1219, (2008).
- [2]. Uncertainty principle for the basic Bessel transform, , Ramanujan J. (2009) 18: 171-182. DOI 10.1007/s 11139-007-9117-6.
- [3]. Relationship between characterizations of the q -Gamma: journal of inequalities and Special Functions Volume 3 Issue 4(2012), Pages 50-58.
- [4] On some QI type inequalities using fractional Q -integral: Mathematical Analysis and Applications Volume 4 Issue 4 (2012.), Pages 1-7
- [5] Inequalities related to the third Jackson's q -Bessel function of order zero: Submitted.
- [6] q -Bessel Fourier Transform and variation diminishing kernel: submitted
- [7]. Analogue of the Wielandt's Theorem about the q -gamma function: Submitted
- [8]. q -Gauss and q -Chebyshev's fractal integral inequalities: Submitted

Current works

- [1]. Alzer inequality for the q -Gamma function.

DR TAHAR MOUMNI

- [1] A. Karoui and T. Moumni, New efficient methods for computing the prolate spheroidal wave functions and their associated eigenvalues, Appl. Compt. Harmon. Anal. 24, (2008), 269-289.
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[7] Tahar Moumni and Ahmed I. Zayed; Sampling with the use of Generalized prolate spheroidal wave functions, Submitted

[8] On the one generalized prolate spheroidal wave functions,
)Submitted), (joint work with Hichem Ben Aouicha)

[9] On the inversion of finite Mellin transform and application.

Current works :

[1] On the one generalized prolate spheroidal wave functions: The discrete case

[2] On the one generalized oblate spheroidal wave functions and applications
joint work with Ammari Amara

DR REHAB M. EI SHIKH

[1]. M.H.M. Moussa, Rehab M. El Shikh ,” Similarity Reduction and similarity solutions of Zabolotskay–Khoklov equation with a dissipative term via symmetry method” Physica A 371 (2006) 325–335

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- [12]- Rehab M. El –Shiekh, New Exact Solutions for the VariableCoefficient Modified KdV Equation Using Direct Reduction Method, mathematical methods in applied science, (2012)<http://onlinelibrary.wiley.com/doi/10.1002/mma.2561/abstract>

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