

Neural, Parallel, and Scientific Computations

Volume 27, 2019

CONTENTS

Anton Iliev, Nikolay Kyurkchiev, and Asen Rahnev	1-9
A New Improvement of Least Absolute Remainder Algorithm for Greatest Common Divisor. III	
Olga Rahneva, Todorka Terzieva, and Angel Golev	11-22
Investigations on the Zubair–Family with Baseline Ghosh–Bourguignon’s Extended Burr XII Cumulative Sigmoid. Some Applications	
A. Iliev, N. Kyurkchiev, A. Rahnev, and T. Terzieva	23-34
Some New Approaches for Modelling Large-Scale Worm Spreading on the Internet. II	
A. Malinova, O. Rahneva, A. Golev, and V. Kyurkchiev	35-44
Investigations on the Odd–Burr–III–Weibull Cumulative Sigmoid. Some Applications	
E. Angelova, A. Golev, T. Terzieva, and O. Rahneva	45-57
A Study on a Hyper–Power–Logistic Model: Some Applications	
E. Angelova, A. Malinova, T. Terzieva, and O. Rahneva	59-69
A Note on the Modified Inverse Rayleigh Cumulative Sigmoid: Some Applications	
Nikolay Kyurkchiev and Anton Iliev	85-92
Investigations on a New Parametric Family of Sigmoidal Functions with Possible Application to Generate a New Class of Fuzzy Operators	
E. Angelova, T. Terzieva, V. Kyurkchiev, and O. Rahneva	93-104
On a Logistic Differential Model	
E. Angelova, A. Malinova, V. Kyurkchiev, and O. Rahneva	105-114
Investigations on a Logistic Model with Weighted Exponential Gompertz Type Correction: Some Applications	
N. Pavlov, G. Spasov, A. Iliev, A. Rahnev, and N. Kyurkchiev	115-129
A Note on the Song–Chang–Pham’s Software Reliability Model. Some Applications. I	

A. Malinova, T. Terzieva, A. Iliev, A. Rahnev, and N. Kyurkchiev	131-139
On Some Intrinsic Properties of the Chi and Weighted Erlang Cumulative Distribution Functions	
Todorka Terzieva, Anton Iliev, Asen Rahnev, and N. Kyurkchiev	141-150
The Lomax-D-Generalized-Weibull Cumulative Sigmoid with Applications to the Theory of Computer Viruses Propagation. IV	
Angel Golev, Georgi Spasov, and Martin Stieger	151-164
A Note on the New Pham's Software Reliability Model	
T. Terzieva, A. Iliev, A. Rahnev, and N. Kyurkchiev	165-175
Investigations on the Saturation of C. D. F. of the Modified "Odd Generalized Exponential Power Function Distribution": Some Applications	
A. Malinova, O. Rahneva, T. Terzieva, and E. Angelova	177-184
Investigations on a "Exponential-Exponentiated-Exponential" Growth Model	
Georgi Spasov, Olga Rahneva, and Angel Golev	185-200
Comments on a New Software Reliability Model	
Georgi Spasov, Olga Rahneva, and Angel Golev	203-213
Investigations on a New Software Reliability Model. II	
Content	215-216
Author Index	217-218