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1 Journal Articles

- Savku, E.; Weber, G.-W, *A Stochastic Maximum Principle for a Markov Regime–Switching Jump–Diffusion Model with Delay and an Application to Finance*, Journal of Optimization Theory and Applications 179(2), 696–721, 2018, DOI: 10.1007/s10957-017-1159-3
- Evkaya, O., Yozgatligil, C., Selcuk–Kestel, A. S., *Measuring Dependence between Electricity Consumption and Contributing Indicators via Copulas: Turkish Case*, Gazi University Journal of Science 31(4), 1284–1296, 2018.
- Yılmaz, B., Selcuk–Kestel, A. S., *Computation of Hedging Coefficients for Mortgage Default and Prepayment Options: Malliavin Calculus Approach*, The Journal of Real Estate Finance and Economics 31(4), 2018, DOI:10.1007/s11146-018-9688-6
- Akat, F., Selcuk-Kestel, A. S., Tank, F., *The Estimation of Adopted Mortality and Morbidity Rates Using Markov Model and the Phase Type Law: the Turkish Case*, Communications in Statistics–Simulation and Computation, 2018. DOI:10.1080/03610918.2018.1478098
- Karasözen, B.; and Uzunca, M., *Energy Preserving Model Order Reduction of the Nonlinear Schrödinger Equation*, Advances in Computational Mathematics) 44(6), 1769–1796, 2018, DOI:10.1007/s10444-018-9593-9

- Yücel, H.; Stoll, M.; Benner, P., *Adaptive Discontinuous Galerkin Approximation of Optimal Control Problems Governed by Transient Convection–Diffusion Equations*, Electronic Transactions on Numerical Analysis (ETNA) 48, 407–434, 2018, DOI:10.1553/etna_vol48s4

2 Accepted Publications

- Onak, O. N.; Serinagaoglu–Dogrusöz, Y.; Weber, G.-W., *Evaluation of Multivariate Adaptive Non–parametric Reduced–Order Model for Solving the Inverse Electrocardiography Problem: A Simulation Study*, Medical & Biological Engineering & Computing, 2018, DOI:10.1007/s11517-018-1934-9

3 Colloquia & Seminars

- *Inference Attacks Against Genomic Data–Sharing Beacons*, Ercüment Çiçek, Department of Computer Engineering, Bilkent University, November 06, 2018.
- *Additively Manufactured Lattice Structures: Design, Uncertainty Quantification and Validation*, Recep M. Görgülüarslan, Department of Mechanical Engineering, TOBB University of Economics and Technology, November 13, 2018.
- *Kriptografi ve Tesadüfîlik*, Ali Doğanaksoy, Department of Mathematics, Middle East Technical University, November 20, 2018.
- *Securing Cryptographic Systems against Quantum Adversaries and Hardware Exploits*, Aydın Aysu, North Carolina State University, November 22, 2018.
- *Insurance Market in Turkey and Stochastic Mortality as a Brief*, Şirzat Çetinkaya, Güneş Sigorta, November 27, 2018.

4 Conferences & Workshops

- *MATLAB Lecture Series for Undergraduate Students*, November 19–28, 2018.