

## Selected articles of Prof. Arkady cherkassky:

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- 4. **Pickel, B.S., Cherkassky**, A.E. (1986). The Gibbs Description for the Random Fields of Nonwoven Irregularity. *Technology of the Textile Industry*, No. 4, 34-39.
- 5. Cherkassky, A.E. (1989). Decomposition of Design Problem for the Technological Complex. *The Transactions of the Moscow Textile Institute*, 9-14.
- 6. **Cherkassky, A.E. (1994).** A Two-Dimensional Mathematical Model of the Carding Process. *Textile Research Journal*, 64(3), 169-175.
- Cherkassky, A.E. (1995). Analysis of the Smoothing Effect of the Card Cylinder Using Simulation. *Textile Research Journal*, 65(12), 723-730.
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- 11. Cherkassky, A.E. (1999). Evaluating of Nonwoven Fabrics Irregularity on the Basis of Linnik Functionals. *Textile Research Journal*, 69(10), 701-708.
- 12. Cherkassky, A., Kit, B., and Porat, I. (2000). Two-Dimensional Analysis of Card Web Irregularity. *Textile Research Journal*, 70(10), 901-909.
- 13. Cherkassky, A., Weinberg, A. (2010). Objective Evaluation of Textile Fabric Appearance. Part 1: Statistical Evidence, Basic Principles, and Grading Procedures. *Textile Research Journal*, Vol. 80(3), 226-235.
- Cherkassky, A., Weinberg, A. (2010). Objective Evaluation of Textile Fabric Appearance. Part 2: Probabilistic Neural Networks and Threshold Approaches. Testing Results. *Textile Research Journal*, Vol. 80(2), 135-144.
- 15. Barad, M., Cherkassky, An. (2009). Timed Petri nets for textile batch planning under varying input characteristics. 20th International Conference on Production Research. Shanghai.
- 16. Kit E., Cherkassky A., Sant T., Fernando H.J.S. (2010). Implementation of Neural Networks for calibration of hot-film anemometer based on in-situ sonic data measurements. *Journal of Atmospheric and Oceanic Technology*. Vol.27, No.1, 23-41.
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- 21. Cherkassky, A. (2012). A Neural Network meta-model of rolldrafting process. *The Journal of the Textile Institute.* 103(01), pp. 166-178.
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