

References

- [1] A. M. Vershik, Distance matrices, random metrics and Urysohn space. MPIM preprint series, 2002
- [2] A. M. Vershik, Random metric spaces and universality. MPIM preprint series, 2004
- [3] A. M. Vershik, Random and universal metric spaces. "Fundamental Mathematics Today" (S.K.Lando and O.K.Sheinman, eds.), Independent University of Moscow, 2003, pp.54-88.
- [4] A. M. Vershik, The universal Uryson space, Gromov's metric triples, and random metrics on the series of natural numbers, Uspekhi Mat. Nauk 53, No.5, 57-64 (1998). English translation: Russian Math. Surveys 53, No.5, 921-928 (1998).
- [5] A. M. Vershik, Random metric space is Urysohn space (in Russian), Dokl. Ross. Akad. Nauk 387, No.6, 1-4 (2002). English translation: Russian Math. Dokl. 387, No. 6, 733-736 (2002).
- [6] Classification of measurable functions of several arguments, and invariantly distributed random matrices (in Russian). Funkts. Anal. Prilozh. 36, no.2, 12-28 (2002). English translation: Funct. Anal. Appl. 36, no.2, 93-105 (2002).
- [7] A. M. Vershik, Random metric spaces and universality. Uspekhi Mat. Nauk 59, No. 2(356), 65-104 (2004). English translation: Russian Math. Surveys 59, No. 2, 259-295 (2004).
- [8] A. M. Vershik, Information, Entropy, Dynamics. Mathematics of the XXth Century: A View from St.Petersburg [in Russian], MCCME, Moscow (2010), pp. 47-76
- [9] A. M. Vershik. Dynamics of metrics in measure spaces and their asymptotic invariants. Markov Processes and Related Fields, 16:1 (2010), 169–185.
- [10] A. M. Vershik, Scailing entropy and automorphisms with pure point spectrum, St. Petersburg Math. J., 23:1 (2012), 75–91.
- [11] A. M. Vershik, P. B. Zatitskiy, F. V. Petrov, "Virtual continuity of measurable functions and its applications", Russian Math. Surveys, 69:6 (2014), 1031–1063
- [12] A. G. Kushnirenko, On metric invariants of entropy type, Russian Math. Surveys, 22:5 (1967), 53–61
- [13] S. Ferenczi, Measure-theoretic complexity of ergodic systems, Israel Journal of Mathematics 100 (1997), 187–207.
- [14] S. Ferenczi; K. K. Park, Entropy dimensions and a class of constructive examples. Discrete Contin. Dyn. Syst. 17 (2007), no. 1, 133–141.
- [15] A. Katok and J.-P. Thouvenot, Slow entropy type invariants and smooth realization of commuting measure-preserving transformations, Annales de Institut Henri Poincare 33 (1997), 323–338.
- [16] P. B. Zatitskiy, F. V. Petrov, Correction of metrics, J. Math. Sci. (N. Y.), 181:6 (2012), 867–870

- [17] P. B. Zatitskii, On a Scaling Entropy Sequence of a Dynamical System, *Funct. Anal. Appl.*, 48:4 (2014), 291–294
- [18] A. Vershik, P. Zatitskiy, F. Petrov. Geometry and dynamics of admissible metrics in measure spaces. *Central European Journal of Mathematics*, 11 (3), 379–400, 2013.
- [19] P. B. Zatitskiy, Scaling entropy sequence: invariance and examples, *J. Math. Sci. (N. Y.)*, 209:6 (2015), 890–909.
- [20] P. B. Zatitskiy, F. V. Petrov, On the subadditivity of a scaling entropy sequence, *J. Math. Sci. (N. Y.)*, 215:6 (2016), 734–737.
- [21] P. B. Zatitskiy, On the possible growth rate of a scaling entropy sequence, *J. Math. Sci. (N. Y.)*, 215:6 (2016), 715–733.
- [22] A. M. Vershik, P. B. Zatitskii, F. V. Petrov, Integration of virtually continuous functions over bistochastic measures and the trace formula for nuclear operators *St. Petersburg Math. J.*, 27:3 (2016), 393–398
- [23] A. M. Vershik, P. B. Zatitskii, Universal adic approximation, invariant measures and scaled entropy. *Izv. Math.* 81, No. 4, 734–770 (2017).
- [24] G. A. Veprev, Scaling Entropy of Unstable Systems, [in preparation]