

Locally measurable partitions, conditional sigma-finite projective distributions, central (invariant) measures and ergodic method.

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1. Rokhlin gave the exhaustive and axiomatic constructive definition of the notion of measurable partitions. We suggest the parallel notion for *locally measurable partitions* which play the important role in many modern considerations — this is the sigma-finite projective measures. The sufficient statistics.

2. Hyperfinite (tame) and non-hyperfinite locally measurable partitions. Classification. Markov model for that case.

3. The Problem of the description of measures on a standard Borel space with given conditional (co-transition) probabilities. Continuous graphs and corresponding algebras. Gelfand-Tsetlin graph.

4. The general ergodic method. Theory of filtrations. Absolute. De Finetti roof, RSK, perturbations.

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