

Marginals and the product strong lifting problem

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The subject of the talk is related with the product strong lifting problem. Solutions to the positive are reduced to the existence of marginals with respect to product probability spaces between the ordinary product and the product whose probability measure is the restriction of the skew product of the factor probabilities to the σ -algebra obtained by adjoining either the right or left nil-null sets to the ordinary product algebra. We discuss the problem of the existence of (strong) marginals. As an application it follows, that the Radon product of a hyperstonian space associated to a Polish space with itself admits a product strong lifting.
