Total variation distance isometries of probability measures

Gregor Dolinar  
*University of Ljubljana*  
gregor.dolinar@fe.uni-lj.si

Bojan Kuzma  
*University of Primorska*  
bojan.kuzma@upr.si

Djordje Mitrović  
*University of Primorska*  
mitrovic98djordje@gmail.com

Some recent results about surjective isometries of Borel probability measures with respect to the total variation distance will be presented. It turns out that the characterization of such isometries under some additional assumption, e.g. w*-continuity or absolute continuity with respect to some fixed probability measure is quite different than in the general case of surjective isometries on all probability measures.