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Mertics on the space of the measures and transport equation

The talk will be a short introduction to the issue of abstract methods of Wasserstein and related metrics in the context of the their applications to solutions in the space of Radon measures for linear and nonlinear PDEs. However the topic was studied in many aspects of PDEs coming from mathematical physics, but in the context of mathematical biology it is not very well understood. As an introductory talk to the mini-symposium we will give some survey of the most important facts, to give some general feeling of the topic.