

We investigate further the asymptotics, as the regularizing parameter ϵ goes to zero, of the entropy-regularized transport cost between two given measures, following Carlier, Pegon, Tamanini (2022).

In order to do so, we extend a “Laplace” argument developed by Hwang (1980-81) to general rectifiable surfaces, by a more or less standard localization and blow-up argument. This is joint work with Paul Pegon and Benoit Merlet.