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# A maximum principle for pointwise energies of quadratic Wasserstein minimal networks

Jonathan Dahl

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We show that suitable convex energy functionals on a quadratic Wasserstein space satisfy a maximum principle on minimal networks. We explore consequences of this maximum principle for the structure of minimal networks.

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| Comments: | 11 pages, 1 figure; Appendix added on a stronger maximum principle in Euclidean Wasserstein space from the work of Agueh and Carlier |
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