

Essential metrics and minimal discs in metric spaces

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In a large class of metric spaces, Lytchak and Wenger showed that a continuous solution of the plateau problem gives rise to an intrinsic minimal disc. In this talk I describe how to construct essential metrics that give rise to variants of intrinsic minimal discs that are analytically better behaved, in that negligible curve families do not alter the geometry of the space. The talk is based on joint work with Paul Creutz (<https://arxiv.org/abs/1909.10385>).