

# ONE-DIMENSIONAL GROMOV MINIMAL FILLINGS

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The present talk devoted to a new field in the theory of variational problems with branching extremals, the investigation of one-dimensional minimal fillings of finite metric spaces. On the one hand, this problem is a one-dimensional version of a generalization of Gromov's minimal fillings problem to the case of stratified manifolds. On the other hand, this problem can be considered as a generalization of the Steiner problem on the description of a shortest network joining a given set of terminals. We shall discuss the recent progress in this theory.