

# Vertex-minimal triangulations of spaces with a given fundamental group

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Given a finitely presented group  $G$  we consider the problem of finding the minimum number  $n$  such that there is a simplicial complex  $K$  on  $n$  vertices with  $\pi_1(K) \cong G$ . During the talk we will present some asymptotic results, as well as some approaches to the classification of fundamental groups of complexes with a small number of vertices.