

*David Gabai, 57<sup>th</sup> Texas Topology and Geometry Conference*

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Title:

*Maximal cusps of low volume*

*(with Robert Haraway, Robert Meyerhoff, Nathaniel Thurston and Andrew Yarmola)*

Abstract:

We address the following question. What are all the 1-cusped hyperbolic 3-manifolds whose maximal cusps have low volume? Among other things we will outline a proof that the figure-8 knot complement and its sister are the 1-cusped manifolds with minimal maximal cusp volume.