

Mathematics Colloquium

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**Volumes of
(Possibly Degenerating)
Hyperbolic Polyhedra**

Abstract: Some twenty five years ago, J. Milnor conjectured that the volume of hyperbolic simplices as a function of their dihedral angles extends continuously to the boundary of the “legal dihedral angle space,” and vanishes precisely when the dihedral angles equal those of a euclidean simplex – the first part was resolved by F. Luo earlier this year. In this talk I shall talk about a generalization of Milnor’s conjecture to arbitrary (convex) hyperbolic and spherical polyhedra.

Tuesday, October 25

4:30-5:30 pm

204 Smith Hall

Please note special day and time