



istanbul matematiksel bilimler merkezi  
istanbul center for mathematical sciences

## VOLUMES OF HYPERBOLIC 3-MANIFOLDS

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We outline a proof (with R. Meyerhoff and P. Milley) that the Weeks manifold is the lowest volume closed orientable hyperbolic 3-manifold. Along the way we discuss a number of beautiful and simple ideas needed to understand the topology and geometry of low dimensional manifolds.

**Date: Monday, June 7, 2010**

**Time: 09:30**

**Place: Natuk Birkan Auditorium - İbrahim Bodur Room - Boğaziçi University  
South Campus**

This seminar is the opening talk for the Istanbul Contact Geometry and Topology Workshop held in IMBM between 7-11 June 2010. The workshop is supported by Boğaziçi University, Tübitak Feza Gürsey Institute and TUBITAK ISBAP Project 107T896.