

## DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, NOVEMBER 28, 2007

PADEL FORD C-36

3:50–5PM

Strong cosmic censorship in surface symmetric and toroidal  
symmetric spacetimes

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In this talk, after a brief description of the strong cosmic censorship conjecture, I shall describe a proof of this for collisionless matter cosmological spacetimes with nonnegative values of the cosmological constant under the assumption of spherical, hyperbolic or  $T^2$ -symmetry. The spherical class allows in particular for the formation of small-scale structure in the form of Schwarzschild-de Sitter type cosmological black holes. This is joint work with A. Rendall.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, [www.math.washington.edu](http://www.math.washington.edu), follow the link **Seminars, Colloquia, and Conferences**).

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