

# SOUTHEAST GEOMETRY SEMINAR XV

## SERGIU KLAINERMAN

On the formation of trapped surfaces in general relativity

## NATASA SESUM

On gradient Ricci solitons

## ALEXANDRU IONESCU

On the uniqueness of stationary black holes in vacuum

## ALEX FREIRE

Mean curvature motion of triple junctions of graphs

## CHRISTIAN HAINZL

Quantum oscillations prevent the big bang singularity in an Einstein-Dirac cosmology

UAB Hill University Room 411

Monday, December 7, 9:00 AM

The Southeast Geometry Seminar (SGS) is a semiannual series of one day event hosted by:

The University of Alabama at Birmingham  
The Georgia Institute of Technology  
Emory University  
University of Tennessee Knoxville

The organizers are: Vladimir Oliker, Mohammad Ghomi, John McCuan, Fernando Schwartz and Gilbert Weinstein.



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<http://www.math.uab.edu/sgs/>