

ALGEBRA  
COLLOQUIUM

*Travels to a Hyperbolic Space Starting from an  $sl(2)$  Base*

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**Abstract:** By choosing a suitable basis of the Lie algebra  $sl(2)$  of  $2 \times 2$  matrices of trace 0, connections with the modular group, the braid group on 3 strands, Tits buildings, and hyperbolic space become readily apparent. This talk will be a trip through these topics.

Wednesday, February 25, 2009, 4:00 pm  
Mathematics and Science Center: W201

MATHEMATICS AND COMPUTER SCIENCE  
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