

1106-97-248

**Matthew G Jones\*** (mjones@csudh.edu). *Mathematical Authority and Inquiry-Based Learning.*

This talk will describe Inquiry-Based Learning (IBL) and its interaction with notions of mathematical authority. The talk will begin with a brief history of IBL, from Moore to current practice, and include a working definition of IBL. The talk will also explore the interplay between IBL and notions of mathematical authority, centering on the questions of, When is a proof considered valid? and, Who can validate a proof? There will also be a discussion of the research on students' views of mathematical authority and the impact of these on student achievement. (Received August 14, 2014)