

Meeting: 1005, Newark, Delaware, SS 1A, Special Session on Homotopy Theory (in Honor of Donald M. Davis's and Martin Bendersky's 60th Birthdays)

1005-55-146 **Thomas A. Shimkus*** (shimkust2@scranton.edu), Department of Mathematics, University of Scranton, Scranton, PA 18510. *The immersion problem for 2^r -torsion lens spaces.*

Don Davis has made significant contributions to the immersion problem for both real and complex projective spaces. The immersion problem for 2^r -torsion lens spaces is related to both of these problems. I will discuss this relationship, the state of the problem for lens spaces, and Davis' influence on this problem. (Received February 06, 2005)