1031-14-135   **R. Paul Horja***, Department of Mathematics, Oklahoma State University, Stillwater, OK 74078, and **Lev A. Borisov**, Department of Mathematics, University of Wisconsin, Madison, WI 53706.
Triangulated categories and toric varieties.

Toric varieties have traditionally provided good examples for testing proposals in algebraic geometry. In this talk, some results about the structure of their categories of coherent sheaves will be presented. Some implications of these ideas for homological mirror symmetry will also be discussed. (Received August 07, 2007)