1019-14-78   **Ludmil Katzarkov***, Department of Mathematics, University of California, Irvine, Irvine, CA
92697. *Birational Geometry and Homological Mirror Symmetry.*

In this talk we will discuss nonrationality questions for some Fano manifolds from the point of view of homological mirror
symmetry. (Received August 07, 2006)