

1016-65-191 **T.Y. Li*** (li@math.msu.edu), Dept. of Math, Michigan State University, E. Lansing, MI 48824.
A survey of the mixed cell computation.

The state of the art in solving polynomial systems numerically by the homotopy continuation method is the employment of the polyhedral homotopies which rely critically on the mixed cell computations. In this talk, the development of this computation will be surveyed. (Received February 12, 2006)