

1107-35-209

**Changfeng Gui\*** ([changfeng.gui@uconn.edu](mailto:changfeng.gui@uconn.edu)). *Even Symmetry of Axially Symmetric Solutions of the Allen-Cahn Equation.*

In this talk, we will discuss the even symmetry in the direction of the axis for axially symmetric solutions of Allen-Cahn equation. The dimension of the space will play an important role in the proof, which is based on the asymptotic behavior of nodal sets of such solutions and the moving plane method. (Received January 15, 2015)