



## 复旦大学数学科学学院 数学综合报告会

报告题目：**Isomorphisms between simple modules of degenerate cyclotomic Hecke algebras**

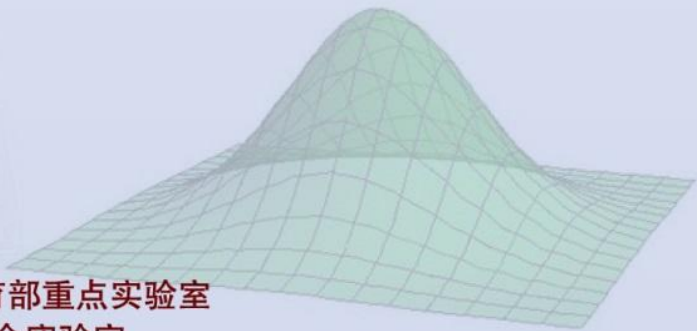
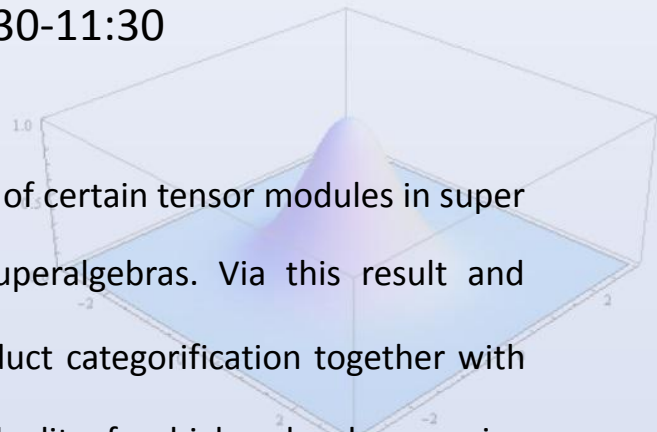
报告人：Linliang Song

（哈工大深圳分院）

报告时间：2017-05-04 星期四 10:30-11:30

报告地点：光华东主楼 1704

摘要： In this talk, we classify maximal vectors of certain tensor modules in super parabolic category  $\mathcal{O}$  for general linear Lie superalgebras. Via this result and Brundan-Losev-Webster's results on tensor product categorification together with Brundan-Kleshchev's results on Schur- Weyl duality for higher levels, we give explicit isomorphisms between simple modules of degenerate cyclotomic Hecke algebras defined via various cellular bases. A special case of our result gives a generalized Mullineux involution in degenerate case. This is a joint work with Hebing Rui.



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