

國立中山大學應用數學系

學術演講

講者：賴俊儒 教授 (University of Georgia)
講題：A gentle introduction to Springer fibers
時間：2019/12/19 (Thursday) 14:10 ~ 15:00
地點：理學院四樓理 SC 4009-1 室
茶會：16:00 於理 SC 4010 室 (系辦公室)

Abstract

I will give a brief survey talk, geared towards combinatorists, on the Springer fibers and the connection to representation theory of the symmetric groups. A Springer fiber is labeled by a Young tableau. In this talk we will focus on the case for two-row Young tableaux. I will introduce a combinatorial object called the cup diagram. It describes not only topological properties of the irreducible components of the Springer fibers, but also leads to a close formula that computes parabolic Kazhdan–Lusztig polynomials.

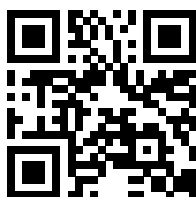
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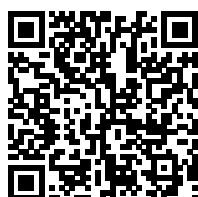
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