



北京理工大学

2026 TALKS IN COMBINATORICS



颜棋，兰州大学副教授，硕士生导师。2020年毕业于厦门大学（导师为金贤安教授）。2018年9月至2019年9月在澳大利亚莫纳什大学访学一年。主要从事带子图和delta-拟阵研究，主持国家自然科学基金青年和面上项目各一项。目前在 *Forum Math. Sigma*, *Fund. Math.*, *J. Combin. Theory Ser. A*, *European J. Combin.*, *Adv. Appl. Math.* 等国内外高水平数学期刊上发表学术论文。

Partial duals of ribbon graphs and recent related works

The concept of partial duality was introduced by Chmutov as a generalization of the notion of geometric duality of a ribbon graph. Unlike geometric duals, a partial dual may have a different Euler genus than that of the original ribbon graph. Consequently, Gross, Mansour and Tucker used this concept of partial duality to define the partial-dual (genus) polynomial, encoding the Euler genera of all partial duals of a ribbon graph. In this talk, we report some of our recent works on partial-dual (genus) polynomial.

2026.4.8 (Wed) 2.00–3.00 pm (Beijing time, GMT+8)

@Tencent Meeting 790–310-289

Invited by David Wang (glw@bit.edu.cn)