

1163-57-1224 **Biji Wong*** (biji.wong@cirget.ca), Max Planck Institute for Mathematics, Vivatsgasse 7,
53111 Bonn, Germany. *Twisted Mazur pattern satellite knots and bordered Floer theory.*

Bordered Floer theory has proven quite useful for studying satellite knots. In this talk, I will discuss how to use gradings in bordered Floer theory to study the Floer thickness, 3-genus, and fiberedness of twisted Mazur pattern satellite knots. Time permitting, I will also show that for certain families of companion knots, Mazur pattern satellite knots satisfy the Cosmetic Surgery Conjecture. This is joint work with Ina Petkova. (Received September 15, 2020)