

1173-57-149

Hugh N Howards*, Math Dept, WFU, Winston Salem, NC 27109, and **Radella Li** and **Xiaotian Liu**. *Bounding the crossing numbers of mosaics*. Preliminary report.

Finding bounds relating crossing number to other invariants can be notoriously difficult. Howards and Kobin gave a sharp bound relating crossing number and mosaic number for rectangular mosaics. Together with Radella Li and Xiaotian Liu we come up with a new, more efficient proof of that result and extend it to a sharp bound for Hexagonal Mosaics (Received September 19, 2021)