

1161-57-254

Hugh N Howards*, Math Department, Wake Forest University, Winston Salem, NC 27109, and
Jiong Li and **Xiotian Liu**. *Systematically Detecting Flypes and Hexagonal Mosaics*.

We introduce a new tool which makes it easier to systematically recognize when two knots differ by a sequence of Flypes. We then apply it to hexagonal mosaics to find an infinite family of knots which do not achieve their hexagonal mosaic number while also in a projection which achieves their crossing number, extending a result of Lew Ludwig et al. (Received August 18, 2020)