

1155-57-134

**Hugh N Howards\***, Math Dept, WFU, Winston Salem, NC 27109, and **Jiong Li** and **Xiotian Liu**. *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 (for example, giving a process to recognize that the Perko Pair were in fact the same knot). 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 January 07, 2020)