

1135-F1-2431 **Elijah m Allen*** (pupilofyah@gmail.com), 159 N Streeper, Baltimore, MD 21224. *An Edgematching Puzzle with a Twist*. Preliminary report.

I present the results of an exploration of color distribution and topological objects represented on squares with a set of 9 unique edge-colored square tiles using 4 colors (designed by Kate Jones), reminiscent of Major Percy MacMahon's Three-Color Squares as described in his *New Mathematical Pastimes*, 1921. The delight of such a puzzle is the artistic surprise that each new solution brings. (Received September 26, 2017)