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Catherine Ross* (ross321@live.missouristate.edu). *Twisted Knots of Color*. Preliminary report.

The colorfulness of Knot Theory is, in fact, literal. Inspired by Perko's Theorem, which infers that a knot is S_3 – *colorable* \iff S_4 – *colorable*, more relationships of coloring knots with groups arise. When G is a group, it turns out G – *colorability* in the class of Twist Knots has some desirable properties. These properties may also be generalizable within additional classes of alternating knots. (Received September 25, 2018)