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**Vincent Longo\***, vincent.longo@huskers.unl.edu. *An infinite family of counterexamples to Batson's conjecture.* Preliminary report.

Batson's conjecture is a non-orientable version of Milnor's conjecture, which states that the 4-ball genus of a torus knot  $T(p, q)$  is equal to  $\frac{(p-1)(q-1)}{2}$ . Batson's conjecture asks if the nonorientable 4-ball genus is equal to the pinch number of a torus knot, i.e. the number of a specific type of (nonorientable) band surgeries needed to obtain the unknot. The conjecture was recently proved to be false by Lobb, whose counterexample we will show fits into an infinite family of counterexamples. (Received August 17, 2020)