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Neil R Hoffman* (neil.r.hoffman@okstate.edu), 401 Math Science Building, Stillwater, OK 74078. *Cusp types of quotients of hyperbolic knot complements.*

This work completes a classification of the types of orientable and non-orientable cusps that can arise in the quotients of hyperbolic knot complements. In particular, $S^2(2, 4, 4)$ cannot be the cusp cross-section of any orbifold quotient of a hyperbolic knot complement. I will also discuss how this reduces the complexity of problem of finding orbifolds irregularly covered by knot complements, which is relevant to joint work with Chesebro, Deblois, Millichap, Mondal, and Worden. (Received September 05, 2020)