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**Genevieve S Walsh\*** ([genevieve.walsh@gmail.com](mailto:genevieve.walsh@gmail.com)), Mathematics Dept. Tufts University, 503 Boston Ave, Medford, MA 02155. *Commensurability of knot complements*. Preliminary report.

We discuss the commensurability of hyperbolic knot complements in  $S^3$  which do not admit hidden symmetries. We show that if such knot complements are commensurable then they are cyclically commensurable. It follows that a non-fibered hyperbolic knot complement which does not admit hidden symmetries is not commensurable with a fibered knot complement. Further analysis of their common cyclic quotient and an application of the cyclic surgery theorem shows that there are at most three such knot complements in a given commensurability class. This is joint work with M. Boileau and S. Boyer. (Received March 07, 2008)