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Micah W Chrisman* (mchrisma@monmouth.edu) and **Vassily O. Manturov**. *Virtual Covers, Fibered Knots, and Virtual Knots*.

We introduce a new technique for studying classical knots with the methods of virtual knot theory. Let K be a knot and J a knot in the complement of K with $\text{lk}(J, K) = 0$. Suppose there is covering space $\pi_J : \Sigma \times (0, 1) \rightarrow \overline{S^3 \setminus V(J)}$, where $V(J)$ is a regular neighborhood of J satisfying $V(J) \cap \text{im}(K) = \emptyset$ and Σ is a connected compact orientable 2-manifold. Let K' be a knot in $\Sigma \times (0, 1)$ such that $\pi_J(K') = K$. Then K' stabilizes to a virtual knot \hat{K} , called a virtual cover of K relative to J . We investigate what can be said about a classical knot from its virtual covers in the case that J is a fibered knot. Several examples and applications to classical knots are presented. A basic theory of virtual covers is established. The arXiv.org reference for this talk is: arXiv:1307.0538 [math.GT]. (Received August 01, 2013)