

## **When does a satellite knot fiber ?**

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(Joint work with K. Murasugi and D.Silver)

The question of when a satellite knot fibers has been a source of confusion. Several authors have asserted that a satellite knot is fibered if and only if both its pattern and companion knots are fibered and the pattern winding number is nonzero. We offer various counterexamples to this assertion, and then give both algebraic and topological criteria for a satellite knot to be fibered.

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