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Tirasan Khandhawit* (tk10@duke.edu), 103 Pinecrest Rd, Durham, NC 27705. *The Stick Index of Satellite Knots.*

The stick index of a knot is the minimal numbers of sticks required for constructing a knot. Despite its simple definition, the stick index is difficult to compute in general and is known only for a few classes of knots. In particular, the stick index is not known for any satellite knot. We will introduce a traditional method to compute the stick index and explore a new technique to possibly find the stick index of a number of satellite knots. (Received September 17, 2007)