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Jason Cantarella* (jason@math.uga.edu), Boyd GSRC, Athens, GA 30606, and **Eric Rawdon** and **Tom Kephart**. *Tabulating Composite Knots and Links*. Preliminary report.

The tabulation of prime knots and links is a well-understood part of traditional knot theory. It is easy to get the impression that the tabulation of composite knots and links is a simple matter of taking all possible combinations of prime summands. In fact, the problem is considerably more interesting: the symmetries of each prime knot and link must be known and accounted for in the calculation. Some of these symmetries are difficult to compute, while most others are not yet known, even for relatively simple prime links. This talk presents an overview of an ongoing project to provide a complete electronic table of knots and links with 12 or fewer crossings. (Received September 11, 2007)