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Jeffrey Boerner* (boernerj@uwstout.edu), University of Wisconsin-Stout, Menomonie, WI 54751. *The $sl(3)$ skein module of the solid torus*. Preliminary report.

Mikhail Khovanov defined $sl(3)$ link homology in terms of relations on surfaces. The $sl(3)$ skein module is based on these relations. Heather Russell completely determined the Bar-Natan skein module of the solid torus with $2n$ parallel boundary curves. We would like to accomplish something similar to what Russell did, but for the $sl(3)$ skein module. This talk will define the skein module, provide examples and demonstrate difficulties encountered in exploring the $sl(3)$ skein module of the solid torus. (Received August 27, 2013)