

SOME RESULTS ABOUT THE KAUFFMAN BRACKET SKEIN MODULE OF THE TWIST KNOT EXTERIOR

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In this talk, we list in explicit form the factoring relations of the Kauffman bracket skein module (KBSM for short) of a twist knot exterior. This is done using curves decorated by characters of $SL(2, \mathbb{C})$ -representations. We give applications of these relations to the $SL(2, \mathbb{C})$ -character variety of the twist knot.

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