1163-57-816   **Radmila Sazdanovic*** (`rsazdan@ncsu.edu`), Department of Mathematics NC State University, PO Box 8205, Raleigh, NC 27695, and **John A. Baldwin**, **Nathan Dowlin**, **Adam Simon Levine** and **Tye Lidman**. *Khovanov homology detects the figure-eight knot.*

Knot classification is an important and difficult problem. Therefore, showing that a particular invariant detects some knots or classes of knots is important. In this work we show that Khovanov homology, a categorification of the Jones polynomial, can detect certain knots. (Received September 13, 2020)