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**Jody Trout\*** ([jody.trout@dartmouth.edu](mailto:jody.trout@dartmouth.edu)), 6188 Kemeny Hall, Hanover, NH 03755. *On the isomorphism between topological and geometric  $K$ -homology*. Preliminary report.

Let  $X$  be a topological space. Using ideas of Paul Baum, we will describe an isomorphism between the Baum-Douglas geometric  $K$ -homology of  $X$  (using  $\text{spin}^c$ -manifolds) and the topological  $K$ -homology of  $X$  (via the Bott spectrum) at the level of cycles, improving a result of Martin Jakob. (Received September 19, 2016)