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Amber M Rogers* (Rogersa2@nku.edu), Department of Mathematics, Northern Kentucky University, Highland Heights, KY 41099, and **Brad Fox**. *Investigating KeeLoq*.

The KeeLoq block cipher is used for keyless entry by several popular car dealerships, such as Ford and GM. The cipher has been criticized for being insecure but many major car companies still use it. This talk will show the strengths and weakness of the cipher as well as highlight the attacks that have been implemented against the cipher. (Received September 10, 2008)