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**Michael Jablonski\*** (mjablonski@math.ou.edu). *Non-compact, homogeneous Einstein spaces.*

In the 1970s, D. Alekseevskii conjectured that if  $G/K$  is a non-compact, homogeneous Einstein space with negative scalar curvature, then  $K$  is a maximal compact subgroup of  $G$ . In this talk, we will present the current state of knowledge, with evidence both for and against the conjecture. (Received January 15, 2015)