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Vladimir Chernousov* (vladimir@ualberta.ca), Math. and Statistical Sciences
Department, University of Alberta, Edmonton, Alberta T6G 2G1, Canada. *R-triviality of groups
of type F_4 arising from the first Tits construction.*

Any group of type F_4 is obtained as the automorphism group of an Albert algebra. We prove that such a group is R -trivial whenever the Albert algebra is obtained from the first Tits construction. Our proof uses cohomological techniques and the corresponding result on the structure group of such Albert algebras. Joint work with S. Alsaody and A. Pianzola. (Received November 04, 2019)