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**Robert Guralnick** (guralnic@usc.edu) and **John Shareshian\*** (shareshi@math.wustl.edu),  
One Brookings Drive, Cupples I, Campus Box 1146, St. Louis, MO 63130. *Branched coverings of  
the sphere and Galois groups of trinomials.*

Using a result of N. Elkies, we show that most permutation groups cannot be the Galois group of infinitely many trinomials  
(up to a natural equivalence relation) over a number field. (Received February 22, 2005)