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Shuang Zhang* (zhangs@math.uc.edu), Department of Math Sciences, University of Cincinnati, Cincinnati, OH 45221-0025. *Are Finite Simple C*-Algebras of Real Rank Zero Stably Finite?*

We will outline the results that the corona factorization property is equivalent to the stable property for all σ -unital simple C*-algebras of real rank zero with full projections; furthermore, either of the two properties above implies the stable finiteness of finite simple C*-algebras of real rank zero. The results will, from different angles, lead to attack the long standing problem around simple C*-algebras, namely, whether a finite simple C*-algebra of real rank zero is stably finite. (Received March 09, 2008)