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Anh T Tran* (att140830@utdallas.edu), The University of Texas at Dallas, Department of Mathematical Sciences, 800 West Campbell Road FO 35, Richardson, TX 75080. *Left-orderability and L-space conjecture.*

Heegaard Floer homology is a package of 3-manifold invariants introduced by Ozsvath and Szabo. Manifolds with minimal Heegaard Floer homology are called L-spaces. The L-space conjecture of Boyer, Gordon and Watson states that an irreducible rational homology 3- sphere is an L-space if and only if its fundamental group is not left-orderable. In this talk, we will discuss this conjecture for 3-manifolds obtained by Dehn surgeries on twisted torus knots and pretzel knots. (Received August 28, 2019)