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Liam Watson* (lwatson@math.ucla.edu), UCLA Mathematics, 520 Portola Plaza, Los Angeles, CA 90095. *L-spaces vs. left-orderability.*

An L-space is a rational homology sphere with simplest possible Heegaard Floer homology; a group is left-orderable if it admits a strict total order of its elements that is invariant under multiplication on the left. It has been conjectured that being an L-space is equivalent to having a non-left-orderable fundamental group. This talk will discuss some of the evidence for this conjecture, including joint projects with S. Boyer and C. Gordon, and A. Clay. (Received September 07, 2011)