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Kristen Hendricks* (kristen.hendricks@rutgers.edu), **Tye Lidman** and **Robert Lipshitz**.

Rank inequalities for the Heegaard Floer homology of branched covers.

Given a double cover between 3-manifolds branched along a nullhomologous link, we establish an inequality between the dimensions of their Heegaard Floer homologies. We discuss the relationship with the L-space conjecture and give some other topological applications. (Received January 05, 2021)