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Steven Klee* (klees@seattleu.edu), **Eran Nevo**, **Isabella Novik** and **Hailun Zheng**. *A lower bound theorem for centrally symmetric simplicial polytopes.*

The Lower Bound Theorem for simplicial polytopes states that among all simplicial d -polytopes on n vertices, a stacked polytope has the minimum number of faces of each dimension. In this talk, we will discuss an extension of this result to the world of centrally symmetric simplicial polytopes. Our approach employs tools from graph rigidity to understand stresses on the graph of a centrally symmetric polytope. (Received September 21, 2017)