1176-57-12   **Kristen Hendricks*** (`kristen.hendricks@rutgers.edu`), **Jennifer Hom**, **Matthew Stoffregen** and **Ian Zemke**. *Homology cobordism and involutive Heegaard Floer homology.*

The homology cobordism group consists of integer homology spheres under connected sum, modulo an equivalence relation called homology cobordism. We review some history of this group and discuss applications of Heegaard Floer homology to its structure. In particular, we show that the homology cobordism group is not generated by Seifert fibered spaces. (Received December 17, 2021)