

## **An infinite rank summand of the homology cobordism group**

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We show that the homology cobordism group of integer homology three-spheres contains an infinite rank summand. The proof uses an algebraic modification of the involutive Heegaard Floer package of Hendricks-Manolescu and Hendricks-Manolescu-Zemke. This is joint work with Irving Dai, Jen Hom, and Matt Stroppgen.