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Jeremy Lovejoy* (lovejoy@liafa.jussieu.fr), LIAFA, Universite Denis Diderot - Paris 7, Case 7014, 75205 Paris Cedex 13, France, and **Kathrin Bringmann**. *Overpartitions and class numbers of binary quadratic forms.*

We study the number of overpartitions with even rank minus the number with odd rank. The corresponding generating function is the holomorphic part of a weight $3/2$ harmonic Maass form which is closely related to Zagier's Eisenstein series and Hurwitz class numbers. This is also true if we replace the classical rank with the M2 rank. (Received September 15, 2008)