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Pavel Guerzhoy* (pavel@math.hawaii.edu), Department of Mathematics, University of Hawaii, 2565 McCarthy Mall, Keller 401A, Honolulu, HI 96822. *Congruences for some theta series coefficients.*

Numbers of representations of positive integers by a given quadratic form are classical objects of discrete geometry. It is well-known that generating functions for these numbers, theta-series, are modular forms. We apply Hida's ordinary projector to these modular forms, and discuss some examples of congruences for the numbers of representations which one can prove in this way. (Received March 09, 2008)