Math. Ann. (2009) 345:31
DOI 10.1007/s00208-009-0338-4

Mathematische Annalen

Differential operators for harmonic weak Maass forms and the vanishing of Hecke eigenvalues

Jan H. Bruinier · Ken Ono · Robert C. Rhoades

Received: 25 January 2009 / Published online: 10 March 2009

We correct two statements in this paper.

(1) Theorem 1.4 on p. 677 should be replaced by the following statement:

Theorem 1.4 *Suppose that* $g = \sum_{n=1}^{\infty} c_g(n)q^n \in S_k(\Gamma_0(N), \overline{\chi})$ *is a normalized new form, and suppose that* $f \in H_{2-k}(\Gamma_0(N), \chi)$ *is good for* g. *If* $p \nmid N$ *is a prime for which* $c_g(p) = 0$, *then* $c_f^+(n)$ *is algebraic when* $\mathrm{ord}_p(n)$ *is odd.*

(2) The last sentence of the first paragraph on p. 678 should be replaced by:
"Under this assumption, the proof of Theorem 1.3 then implies that $a_\Delta(n)$ is rational when $\mathrm{ord}_p(n)$ is odd".

Corrigendum to: *Mathematische Annalen* **342**(3), 673–693 (2008).

J. H. Bruinier
Fachbereich Mathematik, Technische Universität Darmstadt,
Schlossgartenstrasse 7, 64289 Darmstadt, Germany
e-mail: bruinier@mathematik.tu-darmstadt.de

K. Ono (✉) · R. C. Rhoades
Department of Mathematics, University of Wisconsin, Madison, WI 53706, USA
e-mail: ono@math.wisc.edu

R. C. Rhoades
e-mail: rhoades@math.wisc.edu