

# NUMBER THEORY IN THE SPIRIT OF RAMANUJAN

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## Errata

Page	Line	Correction
18	10	Read: $c \rightarrow \infty$ instead of $c \rightarrow 0$ .
25	17	Read: was discovered by Watson.
47	1b	Replace $\log 2$ by $2 \log 2$ .
53	1	Replace “exceeding 1” by $\geq$ .
58	8b	It would be better to refer to Corollary 1.3.14 instead of Theorem 1.3.12.
63	1b	Replace $\frac{k}{d}$ by $\frac{n}{d}$ twice.
78	7b,6b	Read: $f(q, q^3) = \psi(q)$ in (1.2.7), instead of $f(q, q^3) = 2\psi(q)$ in (1.2.3).
81	10b	The right-hand side of (3.8.4) is wrong. It should be replaced by $x \frac{(xy)_\infty (q/(xy))_\infty (y/x)_\infty (qx/y)_\infty (q)_\infty^4}{(x)_\infty^2 (q/x)_\infty^2 (y)_\infty^2 (q/y)_\infty^2}.$
96	6b	Read: positive for nonnegative.
97	10	Read: (4.2.17) for (4.2.16).
124	7b	Read: (1.3.15) for (1.2.4).
141	4b	The summation index should begin with $n = 0$ instead of $n = 1$ .
142	1b	Read: Theorem 1.3.3 instead of Theorem 1.3.9.
145	3,5,6,4b	The summation index should begin with $n = 0$ instead of $n = 1$ .
145	10	Replace $(\beta/q)^{1/8}$ by $(\beta/q^3)^{1/8}$ .
146	6,7	The summation index should begin with $n = 0$ instead of $n = 1$ .
154	2,3	Read: $n \geq 1$ for $n \geq 0$ .
154	6	Replace $:=$ by $=$ .
157	5	Insert a parenthesis ) after $\chi(\pm e^{-\pi\sqrt{n}})$ .
164	9,6b,3b	Read: Theorem 2.3.4 for Theorem 2.3.1. (Theorem 7.4.5 should have been a restatement of Theorem 2.3.4 instead of Theorem 2.3.1.)