

ALGORITHMS FOR MODULAR ELLIPTIC CURVES

Errata list to the Second (1997) Edition text, last updated 26 September 2003

<i>Page</i>	<i>Line</i>	<i>Correction</i>
6	13	For “17583” read “17598”, and for “31570” read “31586”.
6	16	Delete “most of”, and after “5077” insert “(and beyond, as they become available)”.
6	18–25	Delete this whole paragraph, since the computations are now complete to 8000.
26	–10	For “of $\beta + 1$ forms $g_i(z) = g(q^i z)$ ” read “of dimension $\beta + 1$, spanned by the forms $g_i(z) = q^i g(q^i z)$ ”. [Then we have $g_i = g \begin{vmatrix} q^i & 0 \\ 0 & 1 \end{vmatrix}$; otherwise there would be many missing powers of q in the proof.]
36	–10	For “ $(e^{2\pi ib/d} - \varepsilon e^{2\pi ic/d})$ ” read “ $(e^{2\pi inb/d} - \varepsilon e^{2\pi inc/d})$ ”.
64	–17	For “ $\frac{1}{2}p < a \leq \frac{1}{2}p$ ” read “ $-\frac{1}{2}p < a \leq \frac{1}{2}p$ ”.
90	–3	For “these are elliptic curves, which are twists of E ” read “these are also elliptic curves, isomorphic to E over \mathbb{Q} ”.
95	23	Denominator of d should be $8a^2$, not $8a$.
108	23	Delete the sentence starting “At present”, since the computations are now complete to 5077 (and almost complete to 6000, in fact).
108	Table	The line for 3001–4000 should read: 3837 1665 2006 166 0. The line for 4001–5000 should read: 3962 1690 2092 180 0. The line for 1–5077 should read: 17598 8035 8959 603 1.
363–373		Running head should say “TABLE 5” and not “TABLE 2”.
372		All entries for $N = 912$ are wrong; replace as in table below.

curve	degree
912A1	$192 = 2^6 \cdot 3$
912B1	$96 = 2^5 \cdot 3$
912C1	$192 = 2^6 \cdot 3$
912D1	$160 = 2^5 \cdot 5$
912E1	$288 = 2^5 \cdot 3^2$
912F1	$480 = 2^5 \cdot 3 \cdot 5$

curve	degree
912G1	$96 = 2^5 \cdot 3$
912H1	$480 = 2^5 \cdot 3 \cdot 5$
912I1	$96 = 2^5 \cdot 3$
912J1	$72 = 2^3 \cdot 3^2$
912K1	$1440 = 2^5 \cdot 3^2 \cdot 5$
912L1	$160 = 2^5 \cdot 5$

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