

ERRATUM

Kraft, S.J. and Schoof, R.: Computing Iwasawa modules of real quadratic number fields, *Compositio Math.* **97** (1995), 135–155.

Table 5.2 of our paper contains errors. These were caused by a bug in our computer program. We thank Professor H. Taya for pointing this out to us. Lines 13 to 7 from below on page 153 and Table 5.2. at the top of page 154 should be modified as follows:

There are 144 quadratic fields of conductor $f < 10000$ with $f \not\equiv 1 \pmod{3}$ that have $A_0 \neq 0$. In these cases $C \cong \Lambda/I$ for some non-trivial ideal I . In 109 cases we found that I is equal to the maximal ideal $\mathfrak{m} = (T, 3)$ of Λ . In these cases all groups A_n, B_n and C_n have order 3 and all maps $A_m \rightarrow A_n$ are zero ($n > m$). We have $I = \mathfrak{m}$ in 45 out of the 54 cases with $f \equiv 0 \pmod{3}$ and in 64 out of 90 cases with $f \equiv 2 \pmod{3}$.

The remaining 35 cases are listed below.

Table 5.2.

I	C	n_0	freq.	$f \equiv 0 \pmod{3}$	$f \equiv 2 \pmod{3}$
$(T, 9)$	9	0	0 + 3		3137, 4409, 6809
$(T - 3, 9)$	9	1	0 + 2		4481, 7709
$(T + 3, 9)$	9	1	3 + 6	3957, 7032, 7053	1772, 2777, 7244, 8069, 8396, 8837
$(T^2, 3)$	3×3	1	1 + 2	8745	4001, 6401
$(T - 3, 27)$	27	2	1 + 0	4749	
$(T - 12, 27)$	27	2	0 + 5		785, 2021, 3569, 3596, 7601
$(T + 3, 27)$	27	2	2 + 1	5613, 9813	2429
$(T^2 + 3, 3T, 9)$	3×9	1	1 + 0	6396	
$(T^3, 3)$	$3 \times 3 \times 3$	1	0 + 2		1937, 3305
$(T + 39, 81)$	81	3	0 + 1		5081
$(T + 24, 81)$	81	3	0 + 1		5297
$(T^2 - 3, 9)$	9×9	2	1 + 0	5529	
$(T - 12, 243)$	243	4	0 + 1		473
$(T + 15, 243)$	243	4	0 + 1		1016
$(T - 15, 243)$	243	4	0 + 1		6584

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Some typos pointed out by Pietro Mercuri:

- Page 145: in the displayed equation (2) the Legendre symbol should be $(\frac{-f'}{x})$ rather than $(\frac{f'}{x})$.
- Page 149 Lines 11 and 12: $\text{Ann}(I)$ should be $R_n/\text{Ann}(I)$ (in two places).
- Page 149 Line -8: \hat{J} should be J (in two places).
- Page 152: The polynomial $G(Y)$ is the minimum polynomial of $\sqrt{\varepsilon}$ rather than ε .