

**Corrigendum to the paper
“On the 2-primary part of a conjecture
of Birch and Tate”**

(Acta Arith. 43 (1983), 69–81)

by

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Qin Hourong (Nanjing, China) has noticed that in the formulation of Theorem 11 and Conjecture (iii) of the paper the congruence $p \equiv q \not\equiv 1 \pmod{8}$ should be replaced by $p \equiv q \equiv 5 \pmod{8}$.

Furthermore, the end of the proof of this theorem should be corrected. Lines 10–13 on page 79 should read:

“... since $w_F \zeta_F(-1) \equiv 2ph \pmod{16}$, for $D = 2p$, p a prime, and $w_F \zeta_F(-1) \equiv 2pqh \pmod{16}$, for $D = 2pq$, p, q primes. Thus in both the cases $8 \parallel w_F \zeta_F(-1) \Leftrightarrow 4 \parallel h$.”

Moreover, on p. 78, line –5, and on p. 80, line –16, replace $\left(\frac{p}{q}\right) = 1$ by $\left(\frac{p}{q}\right) = -1$.

Nowadays A. Wiles’ result on the Main Conjecture in Iwasawa theory implies the Birch–Tate conjecture (see p. 499 in: A. Wiles, *The Iwasawa conjecture for totally real fields*, Ann. of Math. 131 (1990)), thus also all the conjectures in my paper.

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