Erratum to "Indivisibility of Class Numbers and Iwasawa λ-Invariants of Real Quadratic Fields"

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The author is informed that Professor Qunsheng Zhu (Nanjing Normal University) and Professor Hourong Qin (Nanjing University) find some mistakes in my paper [1]. The congruence equations of Proposition 2.1 and 2.2 in [1] should be changed by

$$H(p(p-1), D) \equiv (1 - \frac{\chi_D(p)}{p})\frac{2h(D)R_p(D)}{\sqrt{D}} \pmod{p^2}$$

and

$$H(p(p-1), D) \equiv -\frac{\chi_D(p)2h(D)R_p(D)}{p\sqrt{D}} \pmod{p}.$$

But the other theorems in [1] can be immediately recovered from these equations by the same method.

References

[1] D. Byeon, Indivisibility of class numbers and Iwasawa λ-invariants of real qudartic fields, Compositio Math., **126** (2001), 249–256