ERRATUM TO "HEEGNER CYCLES AND p-adic L-FUNCTIONS"

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Theorem 6.3: The statement should read

$$\dim_F Sel(K_{p^n}, V_{f,\chi}) = \frac{(1 - \epsilon(V_{f,\chi}))}{2} \cdot [K_{p^n} : K] + e.$$

Lemma 7.5: We have to assume further $L/\mathbb{Q}_p$ to be unramified in the proof in order to use Fontaine-Laffaille theory, and we do not know if Lemma 7.5 holds when $L/\mathbb{Q}_p$ is ramified. This lemma was crucially used in Prop. 7.8 to conclude the Kolyvagin's derivative classes satisfy the local condition at p, which one can instead use Perrin-Riou's theory to verify. The correct proof of Prop. 7.8 has been given in a work of Kobayashi and Ota [KO20, Lemma 4.10]. The authors are very grateful to Shinichi Kobayashi for pointing this out.

Lemma 7.10: "...be a p-ramified extension.." should read "be a p-ramified abelian extension...".

The explanation after Lemma 7.10 is revised in the latest version of this paper.

REFERENCES

[KO20]   Shinichi Kobayashi and Kazuto Ota, *Anticyclotomic main conjecture for modular forms and integral Perrin-Riou twists*, to appear in the proceedings of Iwasawa 2017. Preprint is available at http://www.math.keio.ac.jp/ kurihara/20.ASPMstyle.pdf.