ERRATUM

[Dru17, Proposition 3.12] is wrong as stated (see http://druel.perso.math.cnrs.fr/textes/epq2_erratum.pdf).

Step 3 of [Dru17, Proposition 6.1] should be modified as follows.

We will show that $(K_{\mathscr{H}} - K_{\mathscr{F}}) \cdot A^{\dim X - 1} \leq 0$. Note that $\psi \colon Z \to Y$ is equidimensional. Thus, by section 2.9, there is an effective divisor R on X such that

$$K_{\mathscr{H}} - K_{\mathscr{F}} = -(\varphi^* K_{\mathscr{G}} + R).$$

By [CP19, Theorem 4.7] applied to the pull-back of \mathscr{G} on a resolution of Z, the divisor $K_{\mathscr{G}}$ is pseudo-effective, proving our claim.

References

- [CP19] Frédéric Campana and Mihai Păun, Foliations with positive slopes and birational stability of orbifold cotangent bundles, Publ. Math. Inst. Hautes Études Sci. 129 (2019), 1–49.
- [Dru17] Stéphane Druel, On foliations with nef anti-canonical bundle, Trans. Amer. Math. Soc. 369 (2017), no. 11, 7765–7787.