Erratum to Mukai's program (reconstructing a K3 surface from a curve) via wall-crossing

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There is a mistake in the proof of [1, Proposition 5.2 (a), line 5]. The error stems from the fact that there can be nonzero maps between slope-stable sheaves of the same slope. This affects the validity of the main results as follows: The proof of [1, Theorem 1.2] is complete only for g = rs + 1 with $r \ge 2$ and $s \ge \max\{r, 5\}$. As [1, Theorem 1.1 and Theorem 1.3] are based on [1, Theorem 1.2], their proofs are also complete only for g = rs + 1 with $r \ge 2$ and $s \ge \max\{r, 5\}$. In the new paper [2] we explain how to modify [1, Theorem 1.2] in the missing cases $g = p + 1 \ge 14$, where p is a prime number so that eventually the main results of the paper [1, Theorem 1.1 and Theorem 1.3] are proved valid.

References

- S. Feyzbakhsh, Mukai's program (reconstructing a K3 surface from a curve) via wall-crossing, J. reine angew. Math. 765 (2020), 101–137.
- [2] S. Feyzbakhsh, Mukai's program (reconstructing a K3 surface from a curve) via wall-crossing, II, preprint 2020, https://arxiv.org/abs/2006.08410.

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