

Correction to “A SEXTIC SURFACE CANNOT HAVE 66 NODES”

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Stephan Endraß and Duco van Straten have pointed out a gap in the proof of Theorem 4.5 of our paper [2], namely that the assertion regarding the kernel of τ^* is not justified. As a consequence, Theorem 4.5 and Corollary 4.6 should be removed from the paper. We do not know if their statements are correct. The “alternate argument” for the main theorem of the paper (the next to last paragraph of section 9) should also be removed. Fortunately, the first argument is correct, so the main theorem of the paper (that there is no 66 node sextic) is not affected.

We thank Endraß and van Straten for their comments, which date from the original publication date of our article. We had submitted the above correction at the time, but it never appeared in print.

Remark. A simpler proof of the main result was given later by Pignatelli and Tonoli [4], following an idea of Jonathan Wahl [5] (as amended in [1]) to use the MacWilliams identity [3].

References

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- [4] R. Pignatelli and F. Tonoli, On Wahl’s proof of $\mu(6) = 65$, *Asian J. Math.* **13** (2009), no. 3, 307–310; MR2570440
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