Werk

Titel: Correction to: "An obstruction to smoothing of Gorenstein surface singularities"....

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Erratum: A. Libgober and S. Yau, *An obstruction to smoothing of Gorenstein surface singularities*, Comment. Math. Helv. *65* (1990), 413–433.

In a recent paper [1] H. Esnault, J. Seade and E. Viehweg generalized Theorem 1 of our paper by proving a result which implies Theorem 1 without the assumption of smoothability of a Gorenstein singularity. Therefore, the assertion about numerical values of p_g in our examples are not correct. The mistake came from the assumption that the constructed meromorphic 2-forms are linearly independent. So instead of the exact value for p_g, the numbers calculated give an upper bound for p_g. The congruences in Theorems 1 and 2 are not obstructions to smoothability. Theorem 2 is valid by [1] without the assumption of smoothability and the lemma of paragraph 1 calculating the Rohlin invariant of the boundary of a 4-manifold is unaffected. We are greatful to H. Esnault, J. Seade and E. Viehweg for bringing this to our attention.

[1] ESNAULT, H., SEADE, J., VIEHWEG, E.: *Characteristic divisors on complex manifolds*, J. Reine Angew. Math. *424* (1992), 17–33.

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