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Projective resolutions of Hodge algebras: some examples.

Singularities, Part 2 (Arcata, Calif., 1981), 305–317, *Proc. Sympos. Pure Math.*, 40, Amer. Math. Soc., Providence, RI, 1983.

The paper contains an application of the theory of Hodge algebras developed by C. de Concini et al. [Hodge algebras, *Asterisque*, 91, Soc. Math. France, Paris, 1982] to a construction of some explicit free resolutions. The method consists in deforming a resolution over a Hodge algebra to a resolution over the associated discrete Hodge algebra. The authors give many examples of this technique; e.g., after deforming the Eagon-Northcott complex for 2×2 minors of a $2 \times s$ matrix they get a minimal free resolution of the local rings of some quotient surface singularities.

{For the entire collection see [MR0713235](#)}.

{For the collection containing this paper see [MR0713235](#)}

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