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Andrew Berget* (andrew.berget@wwu.edu). *The internal zonotopal algebra of the dual type B reflection arrangement.* Preliminary report.

If \mathcal{A} is an arrangement of hyperplanes, the *internal zonotopal algebra* of \mathcal{A} is a zero dimensional commutative algebra of degree $\text{Tutte}_{\mathcal{A}}(0, 1)$. We consider the case that \mathcal{A} is the Gale dual of the type B reflection arrangement. Examination of an apparent numerical fluke reveals that this algebra has a new and interesting representation theoretical structure. (Received February 15, 2016)