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## **Stephen Coughlan**

## Calabi-Yau threefolds, bilinkage and unprojection

**Abstract:** I report on joint work in progress with G. Kapustka, M. Kapustka and Ł. Gołębiowski on the classification of nonsingular Calabi-Yau threefolds embedded in small weighted projective spaces. The classification is constructive, and we develop bilinkage and unprojection - a combination of techniques from commutative algebra - to produce a list of threefolds, their defining equations, and invariants.