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Asymmetric CFTs and GSUGRA

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There are results that suggest a connection between gauged maximal supergravities and asymmetric toroidal orbifolds. By looking at several examples we argue that a similar relationship exists between 4D $N=2$ gauged supergravities and asymmetric Gepner models. Going further we conjecture that the asymmetric CFTs we construct are the fully backreacted string uplifts of $N=1$ Minkowski vacua in a $N=2$ gauged supergravity. More evidence for the correspondence is provided by a classification of asymmetric Gepner models with extended supersymmetry.

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