Landscape 2030

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Abstract

To construct and analyze vacua with stabilized moduli, one needs to compute the four-dimensional effective action of string compactifications to high accuracy, including corrections in the string loop and sigma model expansions. To build a landscape of such vacua, one needs to carry out the computations efficiently over a wide range of geometries. I will describe a multifaceted effort to improve the speed, accuracy, and scope of computations in flux compactifications.

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