

Abstract Submitted
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Supersymmetry Calculators: A Comparison PAUL BERGERON,
University of Utah — With the discovery of entities such as the Higgs boson, there has been much excitement within particle physics: The Standard Model is in good health and finally complete after decades of work. However, many problems still remain (e.g. dark matter, hierarchy, etc.) and the LHC and other new experiments have found no statistically significant results for the simplest possibilities of physics beyond the Standard Model. For the first time, we are moving beyond the minimal extensions to our well known physics. As we do so, a troubling question arises: how accurate are our existing simulations of theory in the extended, complicated, high energy landscape? In my talk I will address this question and the steps necessary to answer it.

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