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Tadpole and Moduli in Type IIB on the 1^9 Landau-Ginzburg Model

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We report recent progress made on flux backgrounds of type IIB string theory on 4D Minkowski times a non-geometric internal manifold characterized by its worldsheet description in terms of the 1^9 Landau-Ginzburg model. We present a classification of solutions, the minimum flux tadpole attained by each class, and the number of massive complex structure moduli for the minimum-tadpole configurations. We also present a solution of the shortest vector problem in the lattice of supersymmetric flux backgrounds in this model.

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Classification de Session: :