

Generic matter and global gauge group structure in 6D and 4D supergravity and F-theory models

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6D supergravity and F-theory geometry provide compatible frameworks for a well-defined notion of genericity for matter representations. Generic matter types depend on global gauge group structure, giving insight in particular into the distinction between theories with gauge group $SU(3) \times SU(2) \times U(1)$ and those with $SU(3) \times SU(2) \times U(1)/Z_6$.

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