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Mboyo Esole* (mboyoesole@gmail.com), Boston, MA. *Elliptic fibrations and string theory:
Crepan resolutions of Weierstrass models, characteristic numbers, and flops.*

I will review progress in the study of elliptic fibrations and their applications in string theory such as (1) Crepan resolutions of Weierstrass models of elliptic fibrations. (2) Topological invariants and characteristic numbers of elliptic threefolds and forfolds. (3) The geometry of relative minimal models of elliptic fibrations. (Received September 17, 2019)