

Numerical metrics and the swampland distance conjecture

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Little is known about explicit metrics on Calabi-Yau manifolds, leaving us unable, for example, to compute particle masses or couplings in string models. I will review recent progress on using numerical methods to compute these metrics and the spectrum of the Laplacian on these spaces. I will finish with an example of what one can do with this new “data”, namely probing the swampland distance conjecture in complex structure moduli space.

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