

Homotopical theories versus string theories

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Abstract

This talk will present the homotopical program in QFT that is supposed to generalize string theory.

The central object of the program would be the homotopical Maurer-Cartan equation and its quantization.

I will argue that such an object appears in many cases, such as:

1. In the theory of emerging space-time
2. In topological string theories
3. In bosonic string theory

In particular, I will speculate that bosonic string theory is just a bad gauge for the very clear quantum homotopical equations.