

Dual Perspectives Meetings

Recent Developments in Supermembrane Theory

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Abstract:

The (unique) maximally extended D=11 supermembrane theory stands out as a candidate for the non-perturbative unification of superstring theory. In this talk I will review some basic features, in particular the light-cone gauge reformulation of the theory as the N--> ∞ limit of the maximally supersymmetric SU(N) matrix model, and present new evidence for the existence of the N--> ∞ limit, using a path integral formulation. I will also touch on several open issues, such as the construction of supermembrane vertex operators.

Date:

Friday, May 12, 2023

Program:

Morning session 10:30-12:00, Afternoon session 13:30-15:00

Location:

Boğaziçi University, Kandilli Campus, Üsküdar-İstanbul