

HARVARD UNIVERSITY
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Tuesday, April 13, 2021, at 10:00 (Boston)
15:00 (UK/Eire) 16:00 (C.Europe) 22:00 (China)
Mathematical Picture Language Seminar

Zoom at: <https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJVzZqT3lwV2pCT1ZUQT09>

Aspects of M Theory

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Abstract. After giving a brief introduction to Membrane Theory and its matrix regularization, commenting on an inherent dynamical symmetry for all M-branes (the related “reconstruction-algebra” for $M=1$, strings, being the Virasoro algebra), I will explain some very recent work, including the observation that super-symmetrizable systems canonically (i.e. more or less automatically) have a Lax-pair formulation, with calculable r-matrix, the appearance of infinite-dimensional CKL-algebras naturally entering the double bracket equations of Quantum Minimal Surfaces (IKKT model) and the (“BFSS”) membrane matrix model.

