



istanbul matematiksel bilimler merkezi
istanbul center for mathematical sciences

MATRIX QUANTUM MECHANICS AND COSMOLOGICAL SINGULARITIES

Umut Gürsoy

Utrecht University

Abstract

I present a toy model for a big bang/big crunch cosmology in two dimensional non-critical string theory, based on a Z_2 orbifold of Euclidean time. This background can be related to a particular type of large N matrix quantum mechanics which can be solved exactly.

Date : Wednesday, September 5, 2018

Time: 15:00

Place: IMBM Seminar Room, Boğaziçi University South Campus