

One dimensional free fermions at finite temperature and the MNS matrix model

DONG WANG

National University of Singapore

Email: matwd@nus.edu.sg

In this talk we discuss the local statistics of free fermions on the real line, in a quadratic potential well, and at finite temperature. This free fermion model is equivalent to a matrix model defined by Moshe, Neuberger and Shapiro, and our result also gives the local statistics of eigenvalues of the MNS matrix model. The MNS matrix model has a non-universal feature that distinguishes it from other matrix models.

This is joint work with Karl Liechty.