

Short relation on the scientific stay at Columbia University (New York, USA) (20/04/15-25/04/15)

I was invited to the conference the mathematics Department of Columbia University (New York) to give a series of lectures (in the framework of the Minerva Lectures) on “Height fluctuations in non-integrable dimer models”; this was based on results on dimer height fluctuations that I have obtained in collaboration with A. Giuliani (one of the local scientists in charge of my training during my Marie Curie fellowship in Roma Tre) and with V. Mastropietro.

In addition, I gave a talk on “A 2+1 dimensional growth process with invariant stationary measure” based on the preprint arxiv: **1503.05339**

(based on research I did during the Marie Curie contract). I gave a talk on the same subject also at Courant Institute (University of New York).

During the stay I worked with J. Dubedat on problems of non-integrable dimer models and with I Corwin on 2+1 dimensional growth processes.

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