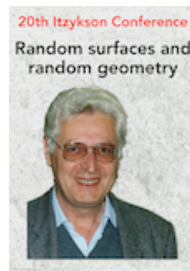


## 20ème conférence Claude Itzykson - Random Surfaces and Random Geometry



ID de Contribution: 20

Type: **Invited talk**

### **A bivariate two-point function for planar bicolored maps**

*jeudi 11 juin 2015 10:15 (45 minutes)*

I will show how to compute the distance-dependent two-point function of vertex-bicolored planar maps with, in addition to the usual control on the faces degrees, a separate control on the numbers of vertices of both colors. This bivariate two-point function is obtained via a technique of slice decomposition and by use of the Stieltjes-type continued fraction formalism. If time allows, I will also discuss another bivariate two-point function in relation with another type of continued fractions. This is joint work with Éric Fusy.

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