Patchworking and mirror symmetry

Arthur Renaudineau[*1]

[1]Laboratoire Paul Painlevé – Université de Lille - Sciences et Technologies : UMRCNRS 8524 – France

Abstract

In this talk, I will discuss a special case of combinatorial patchworking for primitive central triangulations of reflexive polytopes. This gives examples of real Calabi-Yau hypersurfaces in Fano toric varieties. I will show how to use a combinatorial analogue of mirror symmetry to deduce some informations on the real hypersurface and give examples.

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[*]Speaker