

Séminaire de mathématique physique



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Riemann-Hilbert problems associated to Hurwitz spaces

Résumé : There are two (dual to each other) Riemann-Hilbert problems naturally associated to every semi-simple Frobenius manifold. In the case of Frobenius structures on Hurwitz spaces, the corresponding Riemann-Hilbert problems turn out to be solvable in terms of meromorphic bidifferentials defined on the underlying Riemann surface. In this talk, I will present solutions to one of these Riemann-Hilbert problems (the one with Fuchsian singularities) and discuss their properties and monodromy.

Jeudi 25 février à 16 :15 — salle René Baire, 4ème étage