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Fuchsian Riemann–Hilbert problem associated to Frobenius manifolds

There are two (dual to each other) Riemann–Hilbert problems naturally associated to every semisimple 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.