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TITLE = Isomonodromy times and conformal blocks

ABSTRACT = The mathematical construction of the WZW model, in 2d conformal field theory, involves (projectively flat) vector bundles over spaces of deformations of pointed Riemann surfaces: the bases of these bundles can be interpreted as spaces of times for isomonodromy equations, involving regular singular connections; and their fibres as the quantisation of the moduli spaces of such connections.

In this talk we will try to review part of this story, and then present extensions involving irregular singular connections. This leads in particular to intrinsic spaces of 'irregular' times for isomonodromic deformations (joint with P. Boalch, J. Douçot, G. Felder and M. Tamiozzo).