Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 29. Mai 2018

17 Uhr s.t., Geom H4

Prof. Dr. Martin Guest
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currently visiting the University of Mannheim)

Some geometric applications of meromorphic o.d.e. with irregular singular points

Abstract:

It is well known that flat connections on Riemann surfaces with punctures can be described in terms of their monodromy around the punctures. Such connections are analogous to complex o.d.e. with regular singular points. We shall survey some applications in differential geometry and symplectic geometry of complex o.d.e. with irregular singular points. Instead of monodromy matrices, Stokes matrices are needed in this case, and we shall begin with an elementary introduction to this topic.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.