

Einladung zum Würzburger Mathematischen Kolloquium

Julius-Maximilians-Universität Würzburg • Fakultät für Mathematik und Informatik

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My struggle with The Deligne Simpson Problem

Mittwoch, 20. Juni 2018 • 16:15 Uhr

Raum SE 40, Mathematik Ost, Emil-Fischer-Str. 40, Campus Hubland-Nord

Inhaltsangabe:

The Deligne Simpson problem (DSP) arises in the classification of linear ODEs in the complex domain, but it is elementary to state: given k conjugacy classes in $GL(n, \mathbb{C})$, determine whether or not there are matrices in these classes with no common invariant subspace and product equal to the identity. Work I did on quiver algebras led to a conjectural answer for the DSP, I proved one direction in 2006 with P. Shaw, and although I announced a proof of the other direction, it never got written up. In this talk I will explain the background to the DSP and discuss recent work with A. Hubery aimed at completing the other direction.



www.mathematik.uni-wuerzburg.de/kolloquium/

Zu diesem Vortrag laden wir Sie herzlich ein.
Im Anschluss an den Vortrag stehen Tee und Kaffee im Foyer vor dem SE 40 bereit.

Die Dozentinnen und Dozenten der Mathematik

