

Otto-von-Guericke-Universität Magdeburg  
Fakultät für Mathematik

Auf Einladung des Institutes für Algebra und Geometrie spricht

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über das Thema

**Functional equation for local (pro-isomorphic) zeta  
functions of groups and Igusa functions**

**Zeit:** Dienstag, 21. März 2023, 13.00 Uhr, G03-223 oder  
per Zoom Meeting ID 971 4945 5855, passcode 490213

Zu diesem Vortrag laden wir alle Interessierten herzlich ein.

Dr. Josh Maglione

**Abstract:** Igusa functions are combinatorial, rational functions defined in terms of flag varieties. They satisfy a functional equation due to some symmetries in the Schubert cell decomposition of the flag varieties. In my talk I will sketch this proof and will further show by example that local (pro-isomorphic) zeta functions of groups may be Igusa functions. So the local functional equations of the zeta functions are 'inherited' by the functional equation of the Igusa function.