



universität
wien

Fakultät für Mathematik

Mathematisches Kolloquium

EINLADUNG

Kathrin Bringmann
(Universität Köln)

"Petersson regularized inner products"

„Petersson regularized inner products“

Abstract:

In my talk I describe how to put a Hilbert space structure on the space of meromorphic modular forms. Modular forms are functions in the complex upper half plane which have many nice symmetries. As applications, we extend work of Duke, Imamoglu and Torth on regularized inner products of modular forms of weights 0 and $3/2$ with poles, motivate certain operators for modular forms and write specializations of Greens functions (which are of importance for geometry) as inner product.

Zeit: Mittwoch 7. Dezember 2016
15.45 Uhr Kaffeejause,
16.15 Uhr Vortrag,
vinum cum pane im Anschluss

Ort: Fakultät für Mathematik,
Oskar-Morgenstern-Platz 1,
Sky Lounge

Michael Eichmair
Christian Krattenthaler