



## Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

**Dienstag, 15. Dezember 2015**

17 Uhr s.t., Geom H4

Prof. Dr. Don Zagier  
(MPIM Bonn)

### *Partitions and modular forms*

#### Abstract:

Partitions are among the simplest and most basic objects of combinatorics, and modular forms are among the simplest and most basic objects of number theory. There are numerous connections between the two, including identities of Euler, congruences of Ramanujan, and more recently a beautiful theorem of Bloch and Okounkov. The talk will give a survey of some of these, in some cases with new proofs, and, if time permits, also describe some recent developments.

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