



Leibniz
Universität
Hannover

Oberseminar
Institut für Algebraische Geometrie

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Open Gromov-Witten theory and simple Coxeter
groups

Given a closed symplectic manifold X , Gromov-Witten theory gives the system of linear maps to cohomology of moduli space of curves. Given additionally a Lagrangian subvariety in X , one can consider the “open” version of Gromov-Witten theory, generalizing the classical one. In the latter case one needs to consider the moduli space of curves with boundary. Such a moduli space is only constructed for the first examples by R.Pandharipande and J.Solomon and not yet in full generality. We will discuss another approach to open Gromov-Witten theory. Namely, via the non-linear PDE's and F-manifolds. We will make the conjecture about the potentials of not yet constructed open Gromov-Witten theory of \mathbb{P}^1 and simple Coxeter groups.

Mittwoch, 29.01.2020

14:15 - 15:15, Raum g123

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.