



## Prof. Dr. Jan Stienstra Quivers, Dimers, Toric Singularities

**TIME:**

19 May 2008, 16:15

**LOCATION:**

Freie Universitaet Berlin  
Institut fuer Mathematik  
Arnimallee 3, Rm. 119  
14195 Berlin

I will discuss an algorithm that associates to certain quivers a superpotential. Geometrically this means embedding the quiver into a compact oriented surface. The surface comes with a tessellation by quadrangles and the combinatorics of this tessellation is directly related to singularities and discriminants in toric geometry.

**Contact:**

Humboldt-Universität zu Berlin . Institut für Mathematik  
SFB 647 . Unter den Linden 6 . 10099 Berlin  
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727  
sfb647@math.hu-berlin.de

[www.raumzeitmaterie.de](http://www.raumzeitmaterie.de)