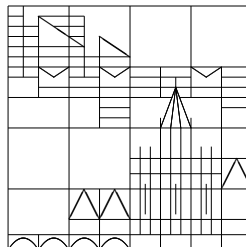


**Universität Konstanz**  
**Fachbereich**  
**Mathematik und Statistik**



**Prof. Dr. Robert Denk**

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Konstanz, den 26. Juni 2012

Im  
Oberseminar Partielle Differentialgleichungen  
wird am  
**Donnerstag, dem 28. Juni 2012**  
folgender Vortrag gehalten:

Prof. Dr. Michael Struwe (ETH Zürich):  
*“Conformal metrics of prescribed Gauss curvature”*

**Zeit: 15:15 Uhr**

**Raum: F 426**

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

**Abstract:** Given a Riemann surface  $(M, g_0)$ , viewed as a two-dimensional Riemannian manifold with background metric  $g_0$ , a classical problem in differential geometry is to determine what smooth functions  $f$  on  $M$  arise as the Gauss curvature of a conformal metric on  $M$ . When  $M = \mathbb{S}^2$  this is the famous Nirenberg problem. In fact, even when  $(M, g_0)$  is closed and has genus greater than 1, this question so far has not been completely settled. In my talk I will present some new results for this problem.

(invited by Oliver Schnürer)