

第06回

- 講演者 : **Jeff. A. Viaclovsky** 氏 (MIT)
 - 題目 □ Fully nonlinear equations on manifolds with positive Ricci curvature
 - 日時 : 平成 16年 7月 26日(月) 16:30 ~ 17:30
 - 場所 : 数学科セミナー室 4号館 3階

I will discuss some recent joint work with Matt Gursky, where we consider the problem of conformally deforming a metric to prescribed symmetric function of the eigenvalues of the Schouten tensor. This is also known as the σ_k -Yamabe problem. The Yamabe problem for the scalar curvature corresponds to $(k=1)$, which is a semilinear equation. However, for $(k > 1)$, the equation is fully nonlinear, so requires new techniques.

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