# Einladung zum Oberseminar Wissenschaftliches Rechnen

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# Parabolic Equation of normal type connected with 3D Helmholtz system

We consider normal parabolic equations (NPE) connected with 3D Helmholtz equations whose nonlinear term B(v) is orthogonal projection of nonlinear term for Helmholtz system on the ray generated by vector v. We will describe the structure of dynamical flow corresponding to this NPE and explain why this NPE can be interesting. Our main goal is to study nonlocal stabilization problem for NPE introduced above by starting control supported on arbitrary fixed subset with nonempty interior. The main steps of solution to this problem will be discussed.

Ort: Raum 30.02.003 (2. Stock) (Mathegeb. 30 West)    Zeit: Montag, 23.03.2015, 14.00 Uhr

Zu diesem Vortrag laden wir Sie herzlich ein.

*gez. Prof. Dr. Alfio Borzi*
*gez. Prof. Dr. Roland Griesmaier*