



## Minisymposium 25 - Inverse Probleme und Inkorrektheits-Phänomene

### An inverse problem for the Grad-Schafranov equation

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This talk presents research which obtained as a joint work with A.S. Demidov (Moscow). We consider the Grad-Schafranov equation

$$\Delta u = au + b \geq 0 \quad \text{in} \quad \Omega,$$

with homogeneous boundary conditions, where  $a$  and  $b$  are real constants. An inverse problem consists in the following: Under which conditions one can identify the constants  $a$  and  $b$  simultaneously from knowledge of the outward normal derivative. Some results in the cases  $n = 2$  and  $n = 3$  are discussed