

Weak Neumann implies Stokes II

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Given a domain $\Omega \subset \mathbb{R}^n$ with uniform C^3 -boundary, we prove that the associated Stokes operator generates an analytic semigroup on $L^p_\sigma(\Omega)$ satisfying maximal regularity estimates provided the weak Neumann problem associated with the domain Ω is uniquely solvable.

This is the continuation of the talk given by M. Geissert. Here we mainly will present the ideas of the proof and explain the connection to related results.