

# Proseminar Funktionalanalysis 2

## Plan of Topics and Talks

### Sommersemester 2008

- 04.3. Organisation,  
Compactness of the Hilbert-cube (Vera)
- 11.3. Problems from Chapter 4 (from fall term)
- 01.4. Continuous, nowhere differentiable functions (Robert)  
 $c_0$  is not complemented in  $l^\infty$  (Pilipp)
- 08.4. Interpolation for Operators on  $L^p$ -spaces (Nathalie, Arno)
- 15.4. Separation of convex sets (Jasminko, Jusuf)
- 22.4. Fourier Transform & Sobolev spaces (Arthur, Michael)
- 29.4. Convergence of Fourier series (Richard)
- 06.5. Differentiation in (B)-spaces (Vera, Rizi)
- 20.5. Fixed point theorems (Thomas N.)
- 27.5. The position operator in quantum mechanics (Claude)  
Weak convergence (Thomas L.)
- 03.6. Banach algebras (Geoff)
- 10.6. The Sturm-Liouville problem (Raphael)
- 17.6. No seminar
- 24.6. reserve