

## **Around the unique continuation property for functions of the Laplacian**

Rene Schilling, TU Dresden

We discuss the Liouville property for a class of non-local Fourier multipliers as well as the unique continuation property (UCP) for functions of the Laplacian. The UCP states that if a linear operator  $L$  is such that  $f=0$  and  $Lf = 0$  on a domain  $U$ , then  $f = 0$  everywhere.