

## Boundary problems for a class of operators containing the fractional Laplacian

*Thursday, November 6, 2025 9:55 AM (45 minutes)*

A survey of recent results for  $2\alpha$ -order pseudodifferential operators generalizing  $(1 - \Delta)^\alpha$ , on a bounded domain in  $R^n$ . The emphasis will be on:

- 1) The precise solution space for the Dirichlet problem (involving the use of  $\mu$ -transmission spaces),
- 2) Evolution problems, where maximal  $L_p$ -regularity has recently been obtained.

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