		doc_1	doc_2	decision	id
cases	authors	• Simon N. Chandler-Wilde • David P. Hewett • Andrea Moiola	• A Buffa • A. Moiola • AM Caetano • C Amrouche • C Puente-Baliarda • D. P. Hewett • DH Werner • DR Adams • E Nezza Di • EM Stein • EP Stephan • G Grubb • G Srivatsun • GC Hsiao • GF Simmons • H Brezis • H Triebel • H Triebel • H Triebel • H Triebel • J-L Lions • JB Conway • JC Polking • JP Gianvittorio • K Falconer • L Hörmander • L Tartar • LE Fraenkel • LG Rogers • M Costabel • M Costabel • O Steinbach • OD Kellogg • RA Adams • RH Nochetto • RS Strichartz • S. N. Chandler-Wilde • SA Sauter • SN Chandler-Wilde • SN Chandler-Wilde • SN Chandler-Wilde • T Ha-Duong • T Kato • T Runst • VG Maz'ya • VG Maz'ya • W Littman • W Littman • W McLean • W Rudin • W Sickel • X Claeys	DUPLICATES	1098
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	abstract	We study properties of the classical fractional Sobolev spaces (or Bessel potential spaces) on non-Lipschitz subsets of R^n. We investigate the extent to which the properties of these spaces, and the relations between them, that hold in the well-studied case of a Lipschitz open set, generalise to non-Lipschitz cases. Our motivation is to develop the functional analytic framework in which to formulate and analyse integral equations on non-Lipschitz sets. In particular we consider an application to boundary integral equations for wave scattering by planar screens that are non-Lipschitz, including cases where the screen is fractal or has fractal boundary.			
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