cases	doc_1		doc_2		decision	id
	authors	• Barton, A.	**authors**	• Ariel Barton	DUPLICATES	945
	title	Trace and extension theorems relating Besov spaces to weighted averaged Sobolev spaces	**title**	Trace and extension theorems relating Besov spaces to weighted averaged Sobolev spaces		
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	id	id3107119762108591796	**id**	id-4104687368168645518		
	abstract		**abstract**	There are known trace and extension theorems relating functions in a weighted Sobolev space in a domain U to functions in a Besov space on the boundary bU. We extend these theorems to the case where the Sobolev exponent p is less than one by modifying our Sobolev spaces to consider averages of functions in Whitney balls. Averaged Sobolev spaces are also of interest in the applications in the case where p>1, and so we also provide trace and extension results in that case. Finally, we provide some comparable results for Neumann traces and extensions.		
	versions		**versions**			