

cases	doc_1		doc_2		decision	id
					DUPLICATES	62
	authors	<ul style="list-style-type: none"><li>Lorenzo Brasco</li><li>David GÃ³mez-Castro</li><li>Juan Luis VÃ¡zquez</li></ul>	authors	<ul style="list-style-type: none"><li>Lorenzo Brasco</li><li>David GÃ³mez-Castro</li><li>Juan Luis VÃ¡zquez</li></ul>		
	title	Characterisation of homogeneous fractional Sobolev spaces	title	Characterisation of homogeneous fractional Sobolev spaces		
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	urls	<ul style="list-style-type: none"><li>https://web.archive.org/web/20210209093106/https://arxiv.org/pdf/2007.08000v2.pdf</li></ul>	urls	<ul style="list-style-type: none"><li>http://arxiv.org/pdf/2007.08000v3</li><li>http://dx.doi.org/10.1007/s00526-021-01934-6</li><li>http://arxiv.org/abs/2007.08000v3</li><li>http://arxiv.org/pdf/2007.08000v3</li></ul>		
	id	id-8613236974053132518	id	id-5622628546628104780		
	abstract	Our aim is to characterize the homogeneous fractional Sobolev-SlobodeckiĀ spaces $\delta^{\tilde{Y}^{s,p}(\hat{a},\hat{n})}$ and their embeddings, for $s \hat{\in} (0,1]$ and $\hat{p} \not\equiv 1$ . They are defined as the completion of the set of smooth and compactly supported test functions with respect to the Gagliardo-SlobodeckiĀ seminorms. For $s \leq n$ or $s = \hat{p} = n = 1$ we show that $\delta^{\tilde{Y}^{s,p}(\hat{a},\hat{n})}$ is isomorphic to a suitable function space, whereas for $s \leq \hat{p} \not\equiv n$ it is isomorphic to a space of equivalence classes of functions, differing by an additive constant. As one of our main tools, we present a Morrey-Campanato inequality where the Gagliardo-SlobodeckiĀ seminorm controls from above a suitable Campanato seminorm.	abstract	Our aim is to characterize the homogeneous fractional Sobolev-SlobodeckiĀ spaces $\mathcal{D}^{\wedge\{s,p\}}(\mathbb{R}^n)$ and their embeddings, for $s \in (0,1]$ and $p \geq 1$ . They are defined as the completion of the set of smooth and compactly supported test functions with respect to the Gagliardo-SlobodeckiĀ seminorms. For $s \leq n$ or $s = p = n = 1$ we show that $\mathcal{D}^{\wedge\{s,p\}}(\mathbb{R}^n)$ is isomorphic to a suitable function space, whereas for $s \leq p \not\geq n$ it is isomorphic to a space of equivalence classes of functions, differing by an additive constant. As one of our main tools, we present a Morrey-Campanato inequality where the Gagliardo-SlobodeckiĀ seminorm controls from above a suitable Campanato seminorm.		
	versions		versions			