cases	doc_1		doc_2		decision	id
	authors	• Evseev, N.	**authors**	• Nikita Evseev	NOT DUPLICATES	625
	title	Vector-valued Sobolev spaces based on Banach function spaces	**title**	Vector-valued Sobolev spaces based on Banach function spaces		
	publication_date	2021-01-01 00:00:00	**publication_date**	2020-09-21 08:50:46+00:00		
	source	SupportedSources.CROSSREF	**source**	SupportedSources.ARXIV		
	journal		**journal**	None		
	volume		**volume**			
	doi	10.1016/j.na.2021.112479	**doi**			
	urls	• https://api.elsevier.com/content/article/PII:S0362546X21001504?httpAccept=text/xml • https://api.elsevier.com/content/article/PII:S0362546X21001504?httpAccept=text/plain • http://dx.doi.org/10.1016/j.na.2021.112479	**urls**	• http://arxiv.org/pdf/2009.09686v1 • http://arxiv.org/abs/2009.09686v1 • http://arxiv.org/pdf/2009.09686v1		
	id	id-8875889810055077320	**id**	id-4899262326658041798		
	abstract		**abstract**	It is known that for Banach valued functions there are several approaches to define a Sobolev class. We compare the usual definition via weak derivatives with the Reshetnyak-Sobolev space and with the Newtonian space; in particular, we provide sufficient conditions when all three agree. As well we revise the difference quotient criterion and the property of Lipschitz mapping to preserve Sobolev space when it acting as a superposition operator.		
	versions		**versions**			