

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none">Aleksandr DyachenkoValerii Los	authors	<ul style="list-style-type: none">Aleksandr DyachenkoValerii Los	DUPLICATES	52
	title	Some problems for Petrovskii parabolic systems in generalized Sobolev spaces	title	Some problems for Petrovskii parabolic systems in generalized Sobolev spaces		
	publication_date	2022-03-12 00:00:00	publication_date	2021-03-30 16:27:57+00:00		
	source	SupportedSources.OPENALEX	source	SupportedSources.ARXIV		
	journal	Journal of elliptic and parabolic equations	journal	None		
	volume	8	volume			
	doi	10.1007/s41808-022-00154-z	doi			
	urls	<ul style="list-style-type: none">https://openalex.org/W3148202162https://doi.org/10.1007/s41808-022-00154-zhttp://arxiv.org/pdf/2103.16474	urls	<ul style="list-style-type: none">http://arxiv.org/pdf/2103.16474v1http://arxiv.org/abs/2103.16474v1http://arxiv.org/pdf/2103.16474v1		
	id	id-8581365052732510719	id	id-8791097646008975433		
	abstract		abstract	We consider an inhomogeneous initial-boundary value problem for a Petrovskii parabolic system of second order PDEs. We prove that this problem induces isomorphisms between appropriate anisotropic generalized Sobolev spaces. The regularity of these spaces are given by a pair of real numbers and by a function parameter. The latter allows us to characterize the regularity of solutions to the problem more finely as compared with anisotropic Sobolev spaces.		
	versions		versions			