cases	doc_1	doc_2	decision	id
			DUPLICATES	1307

doc_1

authors	• Valerii Los • Aleksandr A. Murach
title	Parabolic problems and interpolation with a function parameter
publication_date	2013-04-09 00:00:00
source	SupportedSources.OPENALEX
journal	arXiv (Cornell University)
volume	
doi	None
urls	• https://openalex.org/W1941562937
id	id-7389538570954944421
abstract	
versions	

doc_2

authors	• V. Los • A. Murach
title	Parabolic problems and interpolation with a function parameter
publication_date	2013-04-09 00:00:00
source	SupportedSources.SEMANTIC_SCHOLAR
journal	arXiv: Analysis of PDEs
volume	
doi	
urls	• https://www.semanticscholar.org/paper/42fa67d74cdfb90d3b9b69383119f2a8569a176a
id	id2785975362775742408
abstract	We give an application of interpolation with a function parameter to parabolic differential operators. We introduce the refined anisotropic Sobolev scale that consists of some Hilbert function spaces of generalized smoothness. The latter is characterized by a real number and a function varying slowly at infinity in Karamata's sense. This scale is connected with anisotropic Sobolev spaces by means of interpolation with a function parameter. We investigate a general initial--boundary value parabolic problem in the refined Sobolev scale. We prove that the operator corresponding to this problem sets isomorphisms between appropriate spaces pertaining to this scale.
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