cases

doc_1		doc_2		decision	id
authors	• Anna Anop • Tetiana Kasirenko	**authors**	• A. Anop • T. Kasirenko	DUPLICATES	1110
title	Elliptic boundary-value problems in HÃ¶rmander spaces	**title**	Elliptic boundary-value problems in HÃ¶rmander spaces		
publication_date	2016-12-13 14:56:15+00:00	**publication_date**	2016-12-13 00:00:00		
source	SupportedSources.ARXIV	**source**	SupportedSources.SEMANTIC_SCHOLAR		
journal	Methods Funct. Anal. Topology, Vol. 22 (2016), no. 4, 295-310	**journal**			
volume		**volume**			
doi		**doi**			
urls	• http://arxiv.org/pdf/1612.04220v2 • http://arxiv.org/abs/1612.04220v2 • http://arxiv.org/pdf/1612.04220v2	**urls**	• https://www.semanticscholar.org/paper/653ba00f8d7b5ecd6f37d133834b113259ca1cde		
id	id4031004533228549517	**id**	id-5885306826384845294		
abstract	We investigate general elliptic boundary-value problems in H\"ormander inner product spaces that form the extended Sobolev scale. The latter consists of all Hilbert spaces that are interpolation spaces with respect to the Sobolev Hilbert scale. We prove that the operator corresponding to an arbitrary elliptic problem is Fredholm in appropriate couples of the H\"ormander spaces and induces a collection of isomorphisms on the extended Sobolev scale. We obtain a local a priory estimate for generalized solutions to this problem and prove a theorem on their local regularity in the H\"ormander spaces. We find new sufficient conditions under which generalized derivatives (of a given order) of the solutions are continuous.	**abstract**	We investigate general elliptic boundary-value problems in HÃ¶rmander inner product spaces that form the extended Sobolev scale. The latter consists of all Hilbert spaces that are interpolation spaces with respect to the Sobolev Hilbert scale. We prove that the operator corresponding to an arbitrary elliptic problem is Fredholm in appropriate couples of the HÃ¶rmander spaces and induces a collection of isomorphisms on the extended Sobolev scale. We obtain a local a priory estimate for generalized solutions to this problem and prove a theorem on their local regularity in the HÃ¶rmander spaces. We find new sufficient conditions under which generalized derivatives (of a given order) of the solutions are continuous.		
versions		**versions**			