



JOURNAL OF FUNCTIONAL ANALYSIS

Edited by

Alain Connes
Daniel W. Stroock
Cédric Villani

Founding Editors

Ralph S. Phillips
Irving Segal
Paul Malliavin

Editorial Board

K. Ball	L. Gross
A. Borodin	M. Hairer
J. Bourgain	F.-H. Lin
S. Brendle	F. Otto
H. Brezis	I. Rodnianski
B. Chow	G. Schechtman
J. Coron	B. Schlein
C. De Lellis	S. Vaes
P. Delorme	D. Voiculescu
B. Driver	



CONTENTS

Some remarks concerning symmetry-breaking for the Ginzburg–Landau equation	2189
Pierpaolo Esposito	
Sharp ultimate bounds of solutions to a class of second order linear evolution equations with bounded forcing term	2204
Faouzia Aloui and Alain Haraux	
Surjective isometries on Grassmann spaces	2226
Fernanda Botelho, James Jamison, and Lajos Molnár	
A sharper uncertainty principle	2239
Pei Dang, Guan-Tie Deng, and Tao Qian	
Almost automorphic solutions of dynamic equations on time scales	2267
Carlos Lizama and Jaqueline G. Mesquita	
Differential Harnack estimates for a nonlinear heat equation	2312
Xiaodong Cao, Benjamin Fayyazuddin Ljungberg, and Bowei Liu	
Existence result for a class of semilinear totally characteristic hypoelliptic equations with conical degeneration	2331
Mohsen Alimohammady and Morteza Koozehgar Kalleji	
Maximal estimates for the Cesàro means of weighted orthogonal polynomial expansions on the unit sphere	2357
Feng Dai, Sheng Wang, and Wenrui Ye	
Sharp a priori estimates for div–curl systems in Heisenberg groups	2388
Annalisa Baldi and Bruno Franchi	
BMO from dyadic BMO via expectations on product spaces of homogeneous type	2420
Peng Chen, Ji Li, and Lesley A. Ward	
The Banach ideal of \mathcal{A}-compact operators and related approximation properties	2452
Silvia Lassalle and Pablo Turco	

Continued on inside back cover

Abstracted/indexed in CompuMath Citation Index, Current Contents/Physics, Chemical & Earth Sciences, Electronics and Communications Abstracts, Mathematical Reviews, Research Alert, Science Abstracts, Science Citation Index.

Also covered in the citation database Scopus®. Full text available on ScienceDirect®.

Available online at www.sciencedirect.com

ScienceDirect



0022-1236(20131115)265:10;1-W



Continued from outside back cover

A Serre–Swan theorem for bundles of bounded geometry	2465
Jens Kaad	
Berezin transforms on noncommutative varieties in polydomains	2500
Gelu Popescu	
Localization and dimension free estimates for maximal functions	2553
Alberto Criado and Fernando Soria	