

1. Record Nr.	UNINA9910788733303321
Autore	Bobkov Serguei G (Serguei Germanovich), <1961->
Titolo	Some connections between isoperimetric and Sobolev-type inequalities // Serguei G. Bobkov, Christian Houdre
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1997] ©1997
ISBN	1-4704-0201-7
Descrizione fisica	1 online resource (127 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 616
Disciplina	813/.54 510 s 515/.73
Soggetti	Sobolov spaces Geometric measure theory Uniform distribution (Probability theory) Gaussian processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"September 1997, volume 129, number 616 (end of volume)."
Nota di bibliografia	Includes bibliographical references (pages 109-111).
Nota di contenuto	""Table of Contents""; ""Abstract""; ""1 Introduction""; ""2 Differential and integral forms of isoperimetric inequalities""; ""3 Proof of Theorem 1.1""; ""4 A relation between the distribution of a function and its derivative""; ""5 A variational problem""; ""6 The discrete version of Theorem 5.1""; ""7 Proof of Propositions 1.3 and 1.5""; ""8 A special case of Theorem 1.2""; ""9 The uniform distribution on the sphere""; ""10 Existence of optimal Orlicz spaces""; ""11 Proof of Theorem 1.9 (the case of the sphere)""; ""12 Proof of Theorem 1.9 (the Gaussian case)"" ""13 The isoperimetric problem on the real line""""14 Isoperimetric and Sobolev-type inequalities on the real line""; ""15 Extensions of Sobolev-type inequalities to product measures on $R^{[sup](n)}$ ""; ""References""