

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none">Vladimir Gol'dshteinValerii PchelintsevAlexander Ukhlov	authors	<ul style="list-style-type: none">Goldshtein, VladimirPchelintsev, Valeriy A.Ukhlov, Alexander	DUPLICATES	1091
	title	Spectral Estimates of the p-Laplace Neumann operator and Brennan's Conjecture	title	Spectral estimates of the p-Laplace Neumann operator and Brennan's conjecture		
	publication_date	2017-01-18 00:00:00	publication_date	2017-01-18 00:00:00		
	source	SupportedSources.INTERNET_ARCHIVE	source	SupportedSources.CORE		
	journal		journal			
	volume		volume			
	doi		doi	10.1007/s40574-017-0127-z		
	urls	<ul style="list-style-type: none">https://web.archive.org/web/20191014204131/https://arxiv.org/pdf/1701.05143v1.pdf	urls	<ul style="list-style-type: none">https://core.ac.uk/download/287399463.pdf		
	id	id-1686126455922239612	id	id-7580893310702620659		
	abstract	In this paper we obtain estimates for the first nontrivial eigenvalue of the p-Laplace Neumann operator in bounded simply connected planar domains $\hat{\mathbb{C}} \setminus \mathbb{R}^2$. This study is based on a quasiconformal version of the universal weighted Poincaré-Sobolev inequalities obtained in our previous papers for conformal weights. The suggested weights in the present paper are Jacobians of quasiconformal mappings. The main technical tool is the theory of composition operators in relation with the Brennan's Conjecture for (quasi)conformal mappings.	abstract	In this paper we obtain lower estimates for the first non-trivial eigenvalue of the p-Laplace Neumann operator in bounded simply connected planar domains $\hat{\mathbb{C}} \setminus \mathbb{R}^2$. This study is based on a quasiconformal version of the universal two-weight Poincaré-Sobolev inequalities obtained in our previous papers for conformal weights and its non weighted version for so-called K-quasiconformal $\hat{\mathbb{C}}_{\pm}$ -regular domains. The main technical tool is the geometric theory of composition operators in relation with the Brennan's conjecture for (quasi)conformal mappings		
	versions		versions			