

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none"><li>Goldshtein, Vladimir</li><li>Pchelintsev, Valeriy A.</li><li>Ukhlov, Alexander</li></ul>	authors	<ul style="list-style-type: none"><li>Vladimir Gol'dshtein</li><li>Valerii Pchelintsev</li><li>Alexander Ukhlov</li></ul>	DUPLICATES	990
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	urls	<ul style="list-style-type: none"><li>https://core.ac.uk/download/287399463.pdf</li></ul>	urls	<ul style="list-style-type: none"><li>https://web.archive.org/web/20191014204131/https://arxiv.org/pdf/1701.05143v1.pdf</li></ul>		
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	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	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.		
	versions		versions			