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WEAK HARNACK INEQUALITY FOR THE NON–NEGATIVE WEAK SUPERSOLUTION OF QUASILINEAR ELLIPTIC EQUATION

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Abstract. We introduce and study the classes $\tilde{\mathscr{P}}_p(\mathbb{R}^n)$ as well as $\mathscr{P}_p(\mathbb{R}^n)$, which are generalization of the Kato class. We also obtain a Fefferman inequality for the class $\tilde{\mathscr{P}}_p(\mathbb{R}^n)$ and derive the weak Harnack inequality.

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