V. Goldshtein, E. Sevost'yanov, A. Ukhlov. *Composition operators on Sobolev spaces and weighted moduli inequalitites* // Mathematical Reports. – 2024. – V. 26 (76), No. 2. – P. 101–113.

http://imar.ro/journals/Mathematical_Reports/Pdfs/2024/2/2.pdf

Abstract. In this paper, we study connections between composition operators on Sobolev spaces and mappings defined by p-moduli inequalities (p-capacity inequalities). We prove that weighted moduli inequalities lead to composition operators on corresponding Sobolev spaces and conversely, that composition operators on Sobolev spaces imply weighted moduli inequalities.

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