A NOTE ON SOME CLASSES OF FOURIER COEFFICIENTS

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Abstract. It is shown that the class $S_p$ ($p > 1$) is a subclass of $C \cap BV$, where $C$ is the Garret–Stanojević class and $BV$ the class of sequences of bounded variation. A new direct proof of this theorem is given.


Key words and phrases: Dirichlet kernel, Abel’s transformation, Hölder inequality, Hausdorff–Young inequality, Cauchy condensation test.

REFERENCES