

## 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.

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

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