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## A Note on the Magnitude of Walsh Fourier Coefficients

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**Abstract:** In this note, the order of magnitude of Walsh Fourier coefficients for functions of the classes  $BV^{(p)}$  ( $p \geq 1$ ),  $\phi BV$ ,  $\Lambda BV^{(p)}$  ( $p \geq 1$ ) and  $\phi \Lambda BV$  is studied. For the classes  $BV^{(p)}$  and  $\phi BV$ , Taibleson-like technique for Walsh Fourier coefficients is developed.

However, for the classes  $\Lambda BV^{(p)}$  and  $\phi \Lambda BV$  this technique seems to be not working and hence classical technique is applied. In the case of  $\Lambda BV$ , it is also shown that the result is best possible in a certain sense.



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