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On a Generalization of Lipschitz's Classes

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Abstract: In this paper we obtain a generalization of Lipschitz's classes $\Lambda^m(\beta, p, r)$ defined in [1]. We give necessary conditions for even or odd functions with Fourier series to belong to the classes $\Lambda^m(p, r, \alpha)$. We also give sufficient conditions for even or odd functions with Fourier series to belong to the same classes.



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