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# DEGREE OF APPROXIMATION OF SIGNALS BELONGING TO WEIGHTED LIPSCHITZ CLASS BY ZWEIER-EULER PRODUCT MEANS OF ITS FOURIER SERIES

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**Abstract:** Many researchers have looked into various linear summation techniques for approximating periodic functions. In the current paper, an attempt is made to obtain the degree of approximation of signals belonging to weighted $(L^{\mu}, \varphi(v))$ class by Zweier-Euler product of its Fourier series.

**Keywords and Phrases:** Degree of approximation, Weighted Lipschitz class, Fourier series, Lebesgue integral.

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## 1. Introduction

Summability techniques and their applications are found to be important in approximation theory, and also can aid in the physical interpretation of a number