PREFACE

This thesis is the outcome of the research work that I have been carrying since September 1979, under the supervision of Dr. K.C. Shrivastava, Asstt. Professor, Department of Mathematics and Statistics, Dr. Hari Singh Gaur Vishwavidyalaya Sagar, M.P. (India).

It consists of ELEVEN Chapters and each Chapter is split-up into sections. Chapter I deals with some Survey work and presents the purpose of the work accomplished. Chapter II deals with the absolute Nörlund summability of Fourier series of functions of bounded variation. Chapter III deals with \((J_, p_n)\) summability of Fourier series. Chapter IV deals with \((E, l)\) summability of Fourier series. Chapter V deals with almost Euler summability of Fourier series. Chapter VI deals with uniform matrix summability of Fourier series. Chapter VII deals with almost matrix summability of Fourier series. Chapter VII deals with \([F, d_n]\) summability of conjugate Fourier series and derived conjugate Fourier series. Chapter IX deals with \([S, \lambda_n]\) summability of Fourier series based on well known Lebesgue convergence criteria. Chapter X deals with \((2^p, \lambda_m)\) method of summability of Fourier series based on the well known convergence criteria of Hardy &...
Littlewood. Chapter XI deals with Tauberian theorem for 
(V, ) summability method.

Almost all the works embodied in Chapters II, V, VI, 
VII, VIII have been published or accepted for publication in 
Indian Journal of Pure and Applied Mathematics, Delhi, Acta 
Ciencia Indica, Tamkang Journal of Mathematics Republic of 
China, Indian Journal of Pure and Applied Mathematics and 
Vijnana Parishad Anusandhan Patrika, Allahabad respectively.

The works embodied in Chapter III, IX and X are under communication and publication in Quarterly Journal 
of Mathematics, Allahabad studies(N.S.) and Indian Journal 
of Mathematics, respectively results are awaited.

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(S.K. VARMA)