

P R E F A C E

The present work is the outcome of the research carried out by me in the field of "Generalized Laplace-Hankel transformable functions".

There are the three chapters in the dissertation. Each chapter is divided into several sections.

The first chapter is devoted to the survey of three theories, the theory of integral transforms, the theory of generalized functions and the theory of generalized integral transforms.

In the second chapter some substitution theorems have been obtained for Laplace-Hankel transformation.

In the third chapter substitution theorems obtained in chapter second are extended to Distributional Laplace-Hankel transformation.

The conventional triple numbering system is used in the dissertation. For example theorem 3.2.1 stands for first theorem appearing into the second section of third chapter. Reference to the literature are given in full at the end of each chapter and they are arranged in the alphabetical order. In the text they have been referred to, by putting within rectangular brackets.