ACKNOWLEDGMENTS

I would like to express my deep sense of gratitude to my esteemed teacher and research guide Prof. S. S. Benchalli, Department of Mathematics, Karnataka University, Dharwad. I would not have completed this work without his proper guidance and encouragement throughout the period. For this, I am indebted to him forever.

I am happy to express my sincere thanks to my Teachers, Prof. V. A. Hiremath, Professor and Chairman, Prof. S. S. Bhoosnurmath, Prof. H. B. Walikar, and Dr. B. Basavanagoud, Department of Mathematics, Karnataka University, Dharwad, who helped and encouraged me during the course of my research work.

My whole hearted thanks are also due to Prof. N. M. Bujurke, INSA Senior Scientist and Dr.(Mrs.) P. S. Neeralagi, (Rtd Prof), Department of Mathematics, Karnataka University, Dharwad.

I am happy to express my sincere thanks to all research students including Shri. R. S. Wali, Mr. B. A. Talwar, RBI, Shri. V. S. Prabhaiah, Shri. P. G. Patil, Mr. G. P. Siddapur, Mr. S. N. Patil, Mr. T. D. Rayanagoudar, Shri. S. C. Shiralashetti, Shri. M. S. Patil, Mr. R. M. Upase, Mr. Narayan Swamy, Mr. A. P. Reddy, Dr. S. R. Gani, Smt. S. N. Banasode, Miss. Anurada N. Patil, Miss. Seema S. Gramopadhye, Miss. Ranjana P. Bhandare, who helped me during the course of this work.

I am thankful to all the staff of the Karnataka University Library for their help.

Lastly I am also thankful to all the non-teaching staff members of Department of Mathematics, Karnataka University, Dharwad.

Place: Dharwad
Date: 28th, February 2007

Basavaraj. M. Ittanagi