

ACKNOWLEDGEMENT

I would like to gratefully acknowledge the support of my supervisor Professor Kamal Kanti Nandi. I am indebted to him for his lucid teachings and patient guidance, for giving his busy time suggesting improvements on the initial version, both technical and grammatical. His way of teaching has been greatly helpful for my understanding of the advanced topics related to research. I learnt from him of the challenges in research and how they could be overcome with true understanding and untiring efforts.

It is also a pleasure to thank all the faculty members and the research scholars of the Department of Mathematics, University of North Bengal for their helpful cooperation. My heartfelt gratitude to the non-teaching staffs of Department of Mathematics, University of North Bengal, who were always nice to me and assisted me in the official work.

I am endlessly thankful to my family for always being supportive, for encouraging me and easing every single day of my life even with a simple phone call. To them goes my deepest love and affection. I am also deeply indebted to my fiancé, who always supported me during the research work and made sure that I could study under the best possible conditions. Finally I want to thank my friends, all of them, being there for me in every bad and good situations.

My sincere thanks to the authorities of the University of North Bengal for providing me the necessary permission to carry out the present work and also for the Departmental fellowship grant by University of North Bengal that provided me with financial support.

Last but not the least, my heartfelt gratitude to the great Almighty for showering blessings on us.

Regards
Amarjit Tamang
Department of Mathematics
University of North Bengal