SPECTRAL DENSITY FUNCTIONS FOR DIFFUSION THROUGH DISORDERED MATERIALS

By

Christian James Girard

A THESIS SUBMITTED AS A REQUIREMENT FOR THE DEGREE OF
MASTER OF SCIENCE OF
THE UNIVERSITY OF NEW ENGLAND
May 1996

DECLARATION

I certify that the substance of this thesis has not already been submitted for any degree and is not currently being submitted for any other degree.

I certify that to the best of my knowledge any help received in preparing this thesis, and all sources used, have been acknowledged in this thesis.

[redacted]...............

Acknowledgements

I would like to thank my supervisor, Associate Professor Colin Sholl for the help he has given me with my thesis. I would also like to thank my friends for keeping me going when things got tough. A special word of thanks and infinite appreciation for my parents who have made all of this possible.

> For the LORD gives wisdom, and from his mouth comes knowledge and understanding. Proverbs 2:6.

Contents

List of Tables

List of Figures