ABSTRACT

Title of dissertation: TITLE GOES HERE

Trystan Benjamin Koch, Doctor of Philosophy, 2016

Dissertation directed by: Professor Thomas Antonsen

Department of Physics

TITLE GOES HERE

by

Trystan Benjamin Koch

Dissertation submitted to the Faculty of the Graduate School of the University of Maryland, College Park in partial fulfillment of the requirements for the degree of Doctor of Philosophy

2016

Advisory Committee:

Professor Thomas Antonsen, Chair/Advisor

Professor Steven Anlage

Professor Edward Ott

Professor Steven Anlage

Professor Steven Anlage

© Copyright by Trystan Benjamin Koch 2016

D C	
Preta	α
1 ICIA	
1 TOTA	

Foreword

Dedication

Acknowledgments

Table of Contents

Lis	st of Figures	vii
Lis	st of Abbreviations	viii
3	Stochastic Four-Wave-Mixing 3.1 Overview	1 1
A	Previous Experiments	2
В	New Experiments	3

List of Figures

List of Abbreviations

AFOSR Air Force Office of Scientific Research

IREAP Institute for Research in Electronics and Applied Physics

NRL Naval Research Laboratory
ONR Office of Naval Research

UMD University of Maryland, College Park

Chapter 3: Stochastic Four-Wave-Mixing

3.1 Overview

Appendix A: Previous Experiments

Appendix B: New Experiments