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**Role of Phase between the
External and Internal Electric
Field in Wave Amplification**
**دور الطور بين المجال الكهربى
الخارجي والداخلي في تضخيم الموجة**

A thesis submitted for the requirements of the
degree of Master of Science in solid state physics.

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Chapter1

Introduction

Chapter2

Electromagnetic field Amplification

Chapter3

The effect of phase
between electric
current and external
field on amplification