

Coupled Mode Theory and 50/50 Splitter

Eduardo A. V. Souza, RA: 250950
"Gleb Wataghin" Institute of Physics
UNICAMP
Campinas, Brazil

Ivan Prearo (RA 237215)
"Gleb Wataghin" Institute of Physics
UNICAMP
Campinas, Brazil

Abstract—hgjg

Index Terms—Waveguides, Coupled Mode Theory, Beamsplitters, splitting.

I. INTRODUCTION

II. INFINITE DIELECTRIC WAVEGUIDE

A. Theory development

B. Numerical analysis

III. RECTANGULAR DIELECTRIC WAVEGUIDE

A. Theoretical development

B. Solo waveguide

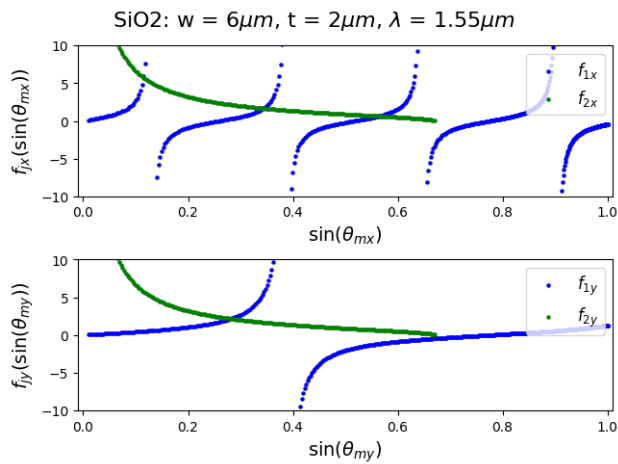


Fig. 1

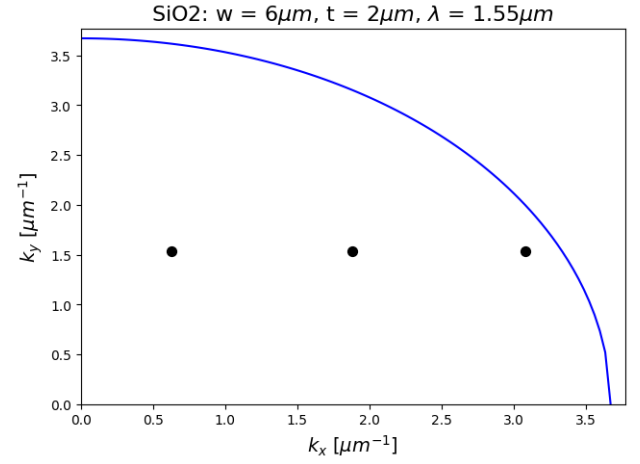


Fig. 2

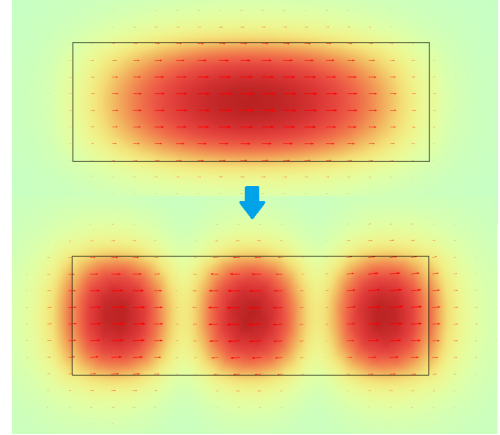


Fig. 3

C. Coupled waveguide

IV. CONCLUSION

APPENDIX