

Optimising the Crystal Structure of a Novel Metamaterial with Negative Electric Susceptibility

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Abstract—the abstract of the document goes here

Index Terms—Metamaterial, Optimisation, Negative Electric Susceptibility

I. INTRODUCTION

Mention metamaterials here, the potential the project has and the role of optimisation in science.

II. RELATED WORK

A. Electric Susceptibility

Electric Susceptibility is the

B. Ferroelectricity and The Clausius-Mossotti Model of Spontaneous Polarizability

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C. Crystal Lattices

mention bravais 2D Lattices

D. Optimisation Algorithms

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III. METHODOLOGY

go through the program

IV. SIMULATIONS AND RESULTS

go over performance, results and optimisation

V. CONCLUSION

conclude here

ACKNOWLEDGMENT

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Identify applicable funding agency here. If none, delete this.

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