

Machine Learning Algorithms for EM Wave Scattering Problems

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Abstract – This is the abstract.

Index Terms – index term 1

I. INTRODUCTION

A. Task Motivation

The task motivation.

B. Problem Specification

The problem specification. [1]

II. REVIEW & ANALYSIS OF PRIOR WORK

A. Existing approaches and their related use with ML

B. Combined/Hybrid Methods

C. Culs-De-Sac

III. RELATION OF PRIOR WORK TO PROJECT PROBLEM

IV. CONCLUSION

This is the conclusion.

REFERENCES

- [1] C. Brennan and K. McGuinness, 'Site-specific Deep Learning Path Loss Models based on the Method of Moments'. arXiv, Feb. 02, 2023. doi: 10.48550/arXiv.2302.01052.

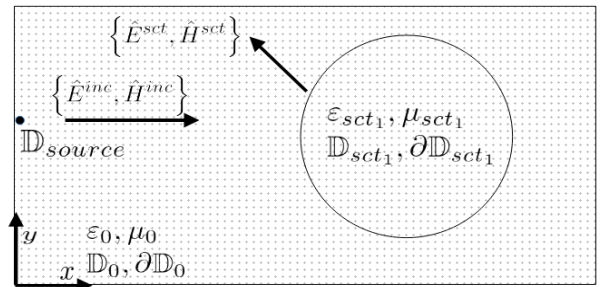


Fig. 1 Problem Illustration. A single source emitting incident waves is located at a fixed x-axis location on the left-hand side of the scatter. Material values are complex valued, frequency-dependent permittivity (ϵ) and permeability (μ). Background points indicate discretization.