MULTIGRID FOR SOLVING ELLIPTIC DIFFERENTIAL EQUATIONS

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Contents

1 Introduction

1.1 Background

1.2 Specific Objectives

- To examing why the method works.
- To apply Fourier Analysis to the two-grid operator.
- To experiment with different smoothers e.g. red-black. Gauss-Seidel to see how errors are smoothed.

2 Literature

3 Methodology

4 Results

5 Conclusion

References