

Pathfinding Navigation Meshes

Game Development Research Group

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Abstract

AI navigation and movement algorithms.

1 Introduction

This report presents computational analysis of pathfinding.

2 Mathematical Framework

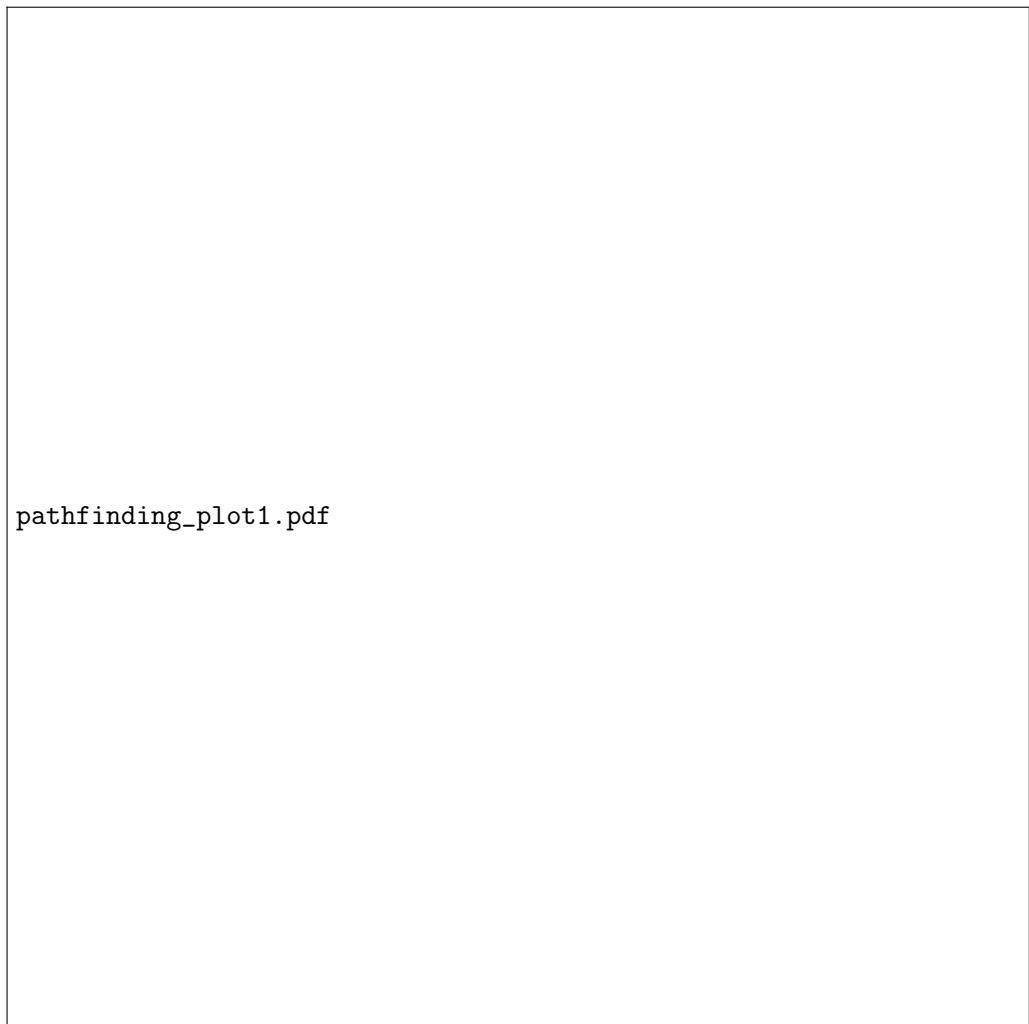
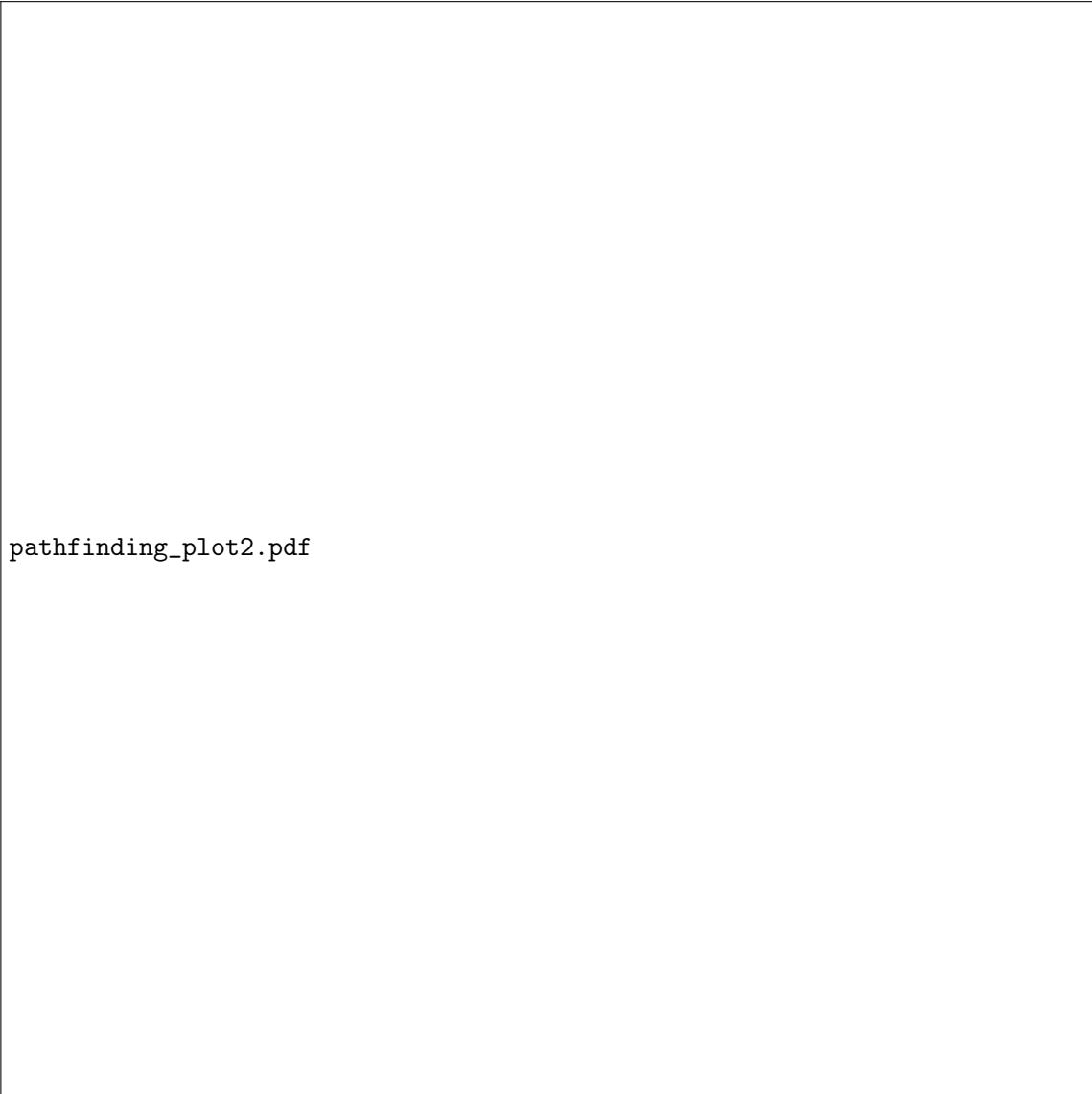


Figure 1: Primary analysis results.

3 Secondary Analysis



pathfinding_plot2.pdf

Figure 2: Secondary analysis comparison.

4 Parameter Study



pathfinding_plot3.pdf

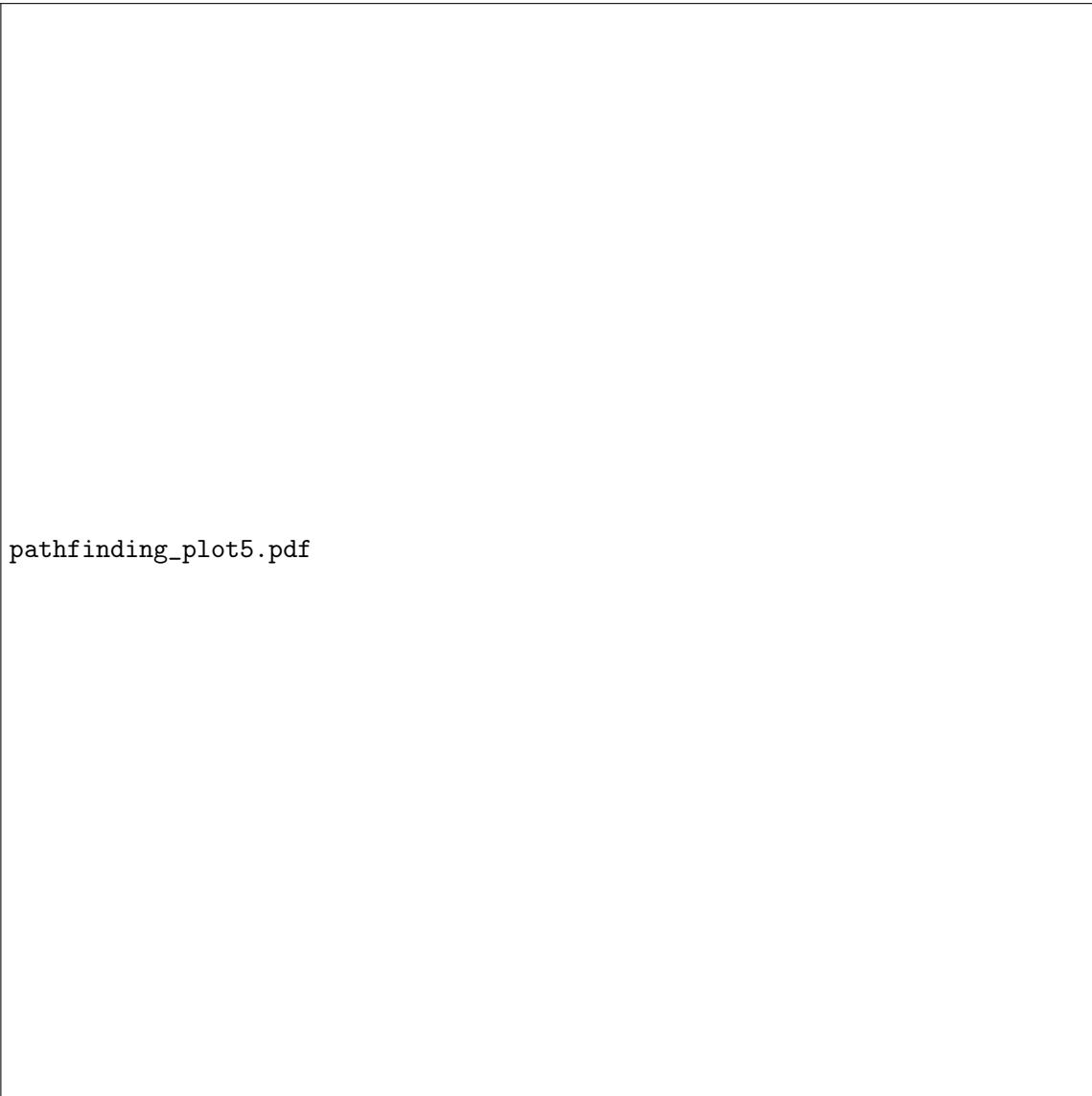
Figure 3: Parameter sensitivity analysis.

5 2D Visualization



Figure 4: Two-dimensional field visualization.

6 Distribution Analysis



pathfinding_plot5.pdf

Figure 5: Statistical distribution analysis.

7 Time Series



pathfinding_plot6.pdf

Figure 6: Time series visualization.

8 Results Summary

9 Conclusions

This analysis demonstrates the computational approach to pathfinding.