

Efficient Acoustic Modelling of Large Spaces using Time Domain Methods

Figure 1

Figure 2Nonlinear Iterated function system, Rendered on the GPU [1]

Simon E Durbridge

100242305

Independent Engineering Project  
BSc (Hons) Sound, Light & Live Event Technology

Tutor: Dr Adam Hill   
University of Derby  
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Does distortion have an effect on perceived loudness?

# Abstract

# Introduction

# Wave Equation and Acoustic Properties

# Finite Difference Time Domain Method

## Sparse FDTD

# Pseudospectral Time Domain Method

# Validation

# Execution Time

## Analysis

## Profiling

# Conclusion

# References

[1] O. S. Lawlor, “GPU Nonlinear IFS Rendering,” *University of Alaska Fairbanks*, 2011. .