

Title

(subtitle)

by

Boris Morin
23211880

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School of Mathematics and Statistics

Head of School: Prof.
Supervisors: 1 Doctor Conor Sweeney
2 Associate Professor Damian Sweeney

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Abstract

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Fundings

This work was supported by the University College Dublin Structured Ph.D programme in Applied and Computational Mathematics, and was funded by the Science Foundation Ireland (SFI).

Statement of Original Authorship

"I hereby certify that the submitted work is my own work, was completed while registered as a candidate for the degree stated on the Title Page, and I have not obtained a degree elsewhere on the basis of the research presented in this submitted work"

Collaborations

My mentor during the research master's was:

Dr. XXX

Acknowledgements

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And after the second paragraph follows the third paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

After this fourth paragraph, we start a new paragraph sequence. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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Dedication

To my family and friends, without whom I would not be here.

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Chapter 1

Introduction

The fraction of irradiation reflected by Earth's surface is called the albedo. It is linked with the composition and properties of the surface and therefore varies throughout the year. The average albedo is between 0.1 and 0.3, and the report made by ([C. García, N. Dwyer, J. Gault, 2020](#)) it is possible to refine this ratio for Ireland. The exhaustive dataset provided by ERA5 contains a 'forecast albedo' variables ([H. Hersbach, B. Bell, P. Berrisford, S. Hirahara, A. Horányi, J. Muñoz-Sabater, J. Nicolas, C. Peubey, R. Radu, D. Schepers, et al., 2020](#)) allows us to perform a statistical average of the reflectivity of the Earth's surface. The results is 0.17 for the entire island.

Chapter 2

State of the Art

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Chapter 3

Analysis Framework

Chapter 4

Experimental Details and Results

Chapter 5

Conclusions and Future Work

Appendices

Appendix A

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Appendix B

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