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# Title: PhD thesis Template

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By

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Interactive AI CDT  
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A dissertation submitted to the University of Bristol in  
accordance with the requirements for award of the degree of  
DOCTOR IN PHILOSOPHY in the Faculty of Engineering.

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## ABSTRACT

**H**ere goes the abstract ...



## DEDICATION AND ACKNOWLEDGEMENTS

**H**ere goes the dedication...



## COVID-19 STATEMENT

**H**ere goes the optional Covid-19 statement ...





## AUTHOR'S DECLARATION

I declare that the work in this dissertation was carried out in accordance with the requirements of the University's Regulations and Code of Practice for Research Degree Programmes and that it has not been submitted for any other academic award. Except where indicated by specific reference in the text, the work is my own work. Work done in collaboration with, or with the assistance of, others, is indicated as such. Any views expressed in the dissertation are those of the author.

SIGNED: ..... DATE: .....



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## ABBREVIATIONS

**CPM** Convection-Permitting Model. 1

**GCM** Global Climate Model. 1





## INTRODUCTION

**B**egins a chapter. Example: When the beloved cellist (Christopher Walken - outstanding) of a world-renowned string quartet receives a life-changing diagnosis, the group's future suddenly hangs in the balance: suppressed emotions, competing egos and uncontrollable passions threaten to derail years of friendship and collaboration. Featuring a brilliant ensemble cast (including Philip Seymour Hoffman, Catherine Keener and Mark Ivanir as the three other quartet members), it is a fascinating look into the world of working musicians, and an elegant homage to chamber music and the cultural world of New York. The music, of course, is ravishing (the score is the work of regular David Lynch collaborator Angelo Badalamenti): *A Late Quartet* hits all the right notes.

### 1.1 Section

Begins a section.

This one is about Global Climate Model (GCM). This is best done with Convection-Permitting Model (CPM).

#### 1.1.1 Subsection

Begins a subsection.

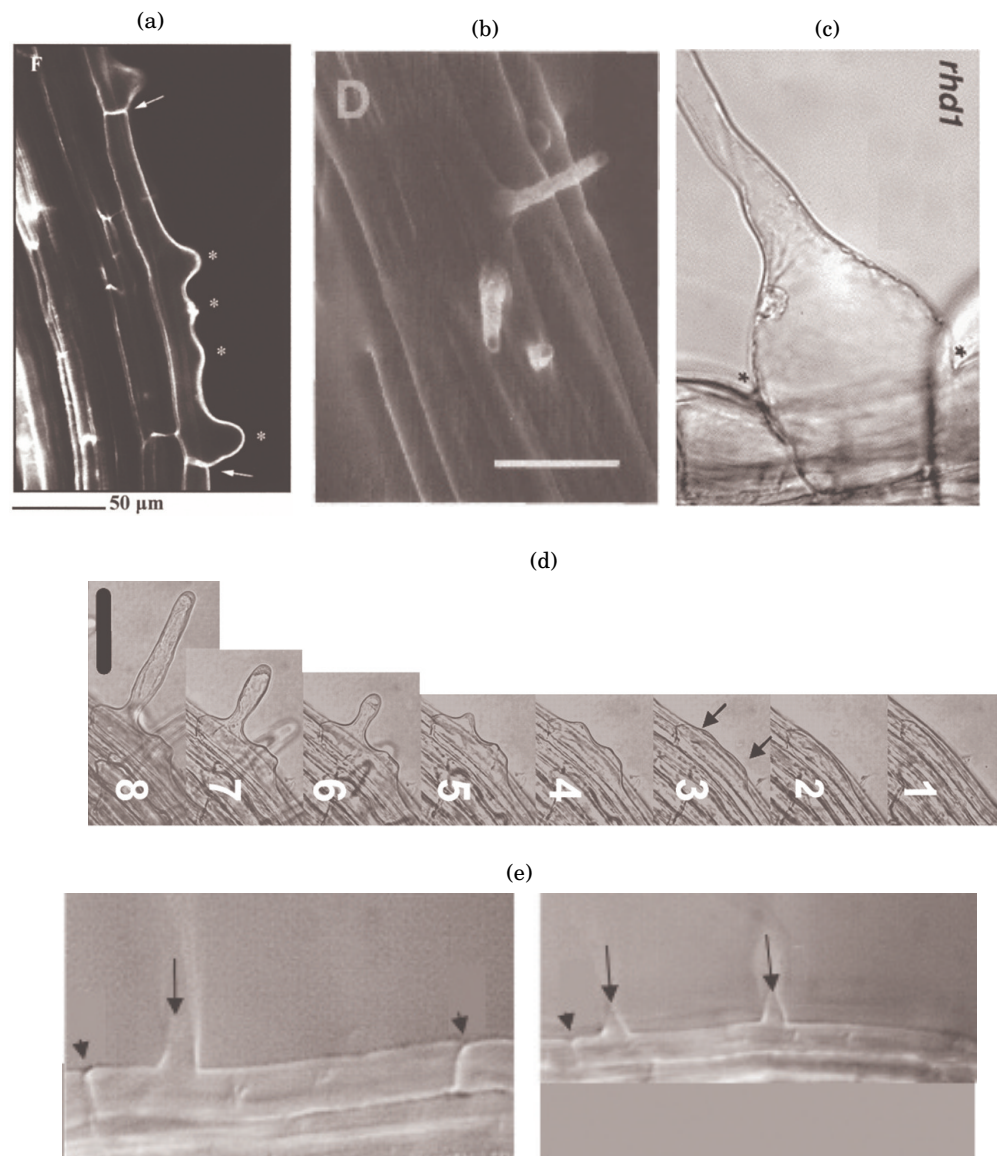


FIGURE 1.1. (a) A mutant RH cell. Asterisks show multiple sites of RH initiation in a single root hair cell (indicated by the arrows). Figure reproduced from [5]. (b) Hair-forming cell with three RH initiation locations. The bar represents  $50\mu m$ . Figure reproduced from [3]. (c) Large bump in mutant *rhd1*. Figure reproduced from [1]. (d) Mutant overexpressing gene *ROP2*; from right-hand to left-hand, numbers indicate progressive snapshots at different times. RH initiation sites are indicated by the arrows. The bar represents  $75\mu m$ . Figure reproduced from [2]. (e) Mutants affected by auxin. On the left-hand side, RH site is farther away from the apical end (left arrow cap); on the right-hand side, multiple RH locations (arrows). Figure reproduced from [4].

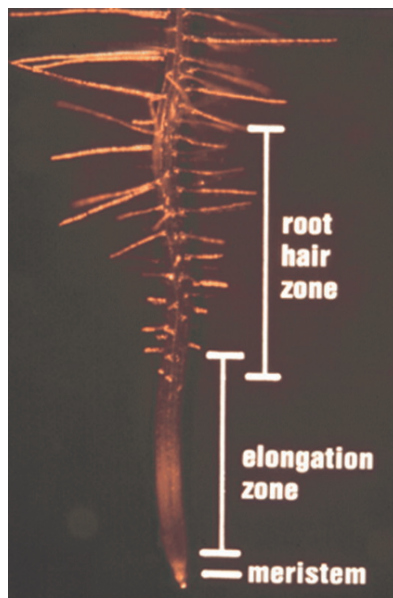


FIGURE 1.2. Developmental zones of an Arabidopsis root. Figure reproduced from [1].



APPENDIX



APPENDIX A

**B**egins an appendix



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