UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

PROGRAMA DE MAESTRÍA Y DOCTORADO EN CIENCIAS MATEMÁTICAS Y DE LA ESPECIALIZACIÓN EN ESTADÍSTICA APLICADA

'Título'
'Subtítulo'

'Modalidad de graduación'
QUE PARA OBTENER EL GRADO DE:

'Maestro(a)/Doctor(a)' EN CIENCIAS

PRESENTA:

'NOMBRE DEL AUTOR'

'NOMBRE DEL DIRECTOR Y CODIRECTOR DE LA TESIS'

'MIEMBROS DEL COMITÉ TUTOR'

MÉXICO, D.F. A 29 DE JULIO DE 2015

Resumen

Aquí va el resumen.

Agradecimientos

Aquí van los agradecimientos.

Contenido

Índice de cuadros

Índice de figuras

Capítulo 1

Nombre de capítulo

Inicia capítulo.

Texto de ejemplo: 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. Sección

Inicia sección.
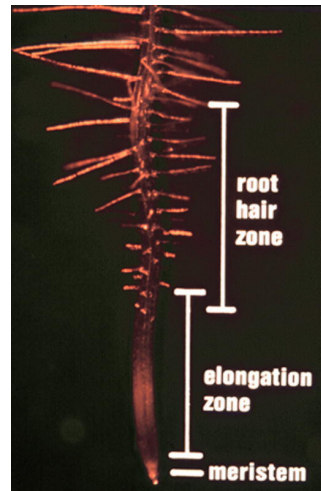
1.1.1. Subsección

Inicia subsección.

Figura 1.1: Developmental zones of an Arabidopsis root. Figure reproduced from [1].
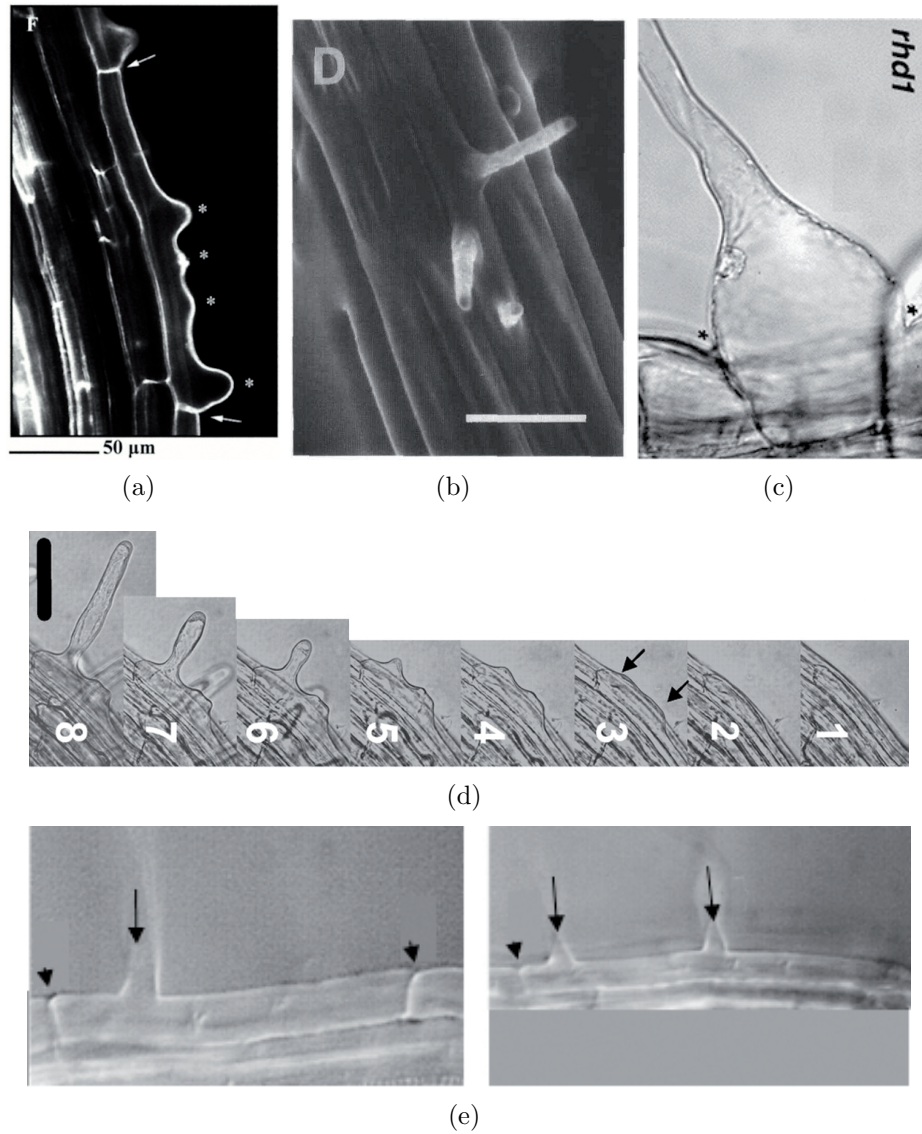
Figura 1.2: (a) A mutant RH cell. Asterisks show multiple sites of RH initiation in a single root hair cell (indicated by the arrows). Figure reproduced from [5]. (b) Hair-forming cell with three RH initiation locations. The bar represents $50\mu m$. Figure reproduced from [3]. (c) Large bump in mutant *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].

Apéndice A

Nombre de apéndice

Inicia un apéndice.

Texto de ejemplo. In The Hitchhiker's Guide to the Galaxy (published in 1979), the characters visit the legendary planet Magrathea, home to the now-collapsed planet-building industry, and meet Slartibartfast, a planetary coastline designer who was responsible for the fjords of Norway. Through archival recordings, he relates the story of a race of hyper-intelligent pan-dimensional beings who built a computer named Deep Thought to calculate the Answer to the Ultimate Question of Life, the Universe, and Everything. When the answer was revealed to be 42, Deep Thought explained that the answer was incomprehensible because the beings didn't know what they were asking. It went on to predict that another computer, more powerful than itself would be made and designed by it to calculate the question for the answer. (Later on, referencing this, Adams would create the 42 Puzzle, a puzzle which could be approached in multiple ways, all yielding the answer 42.)

Cuadro A.1: Performance After Post Filtering.

Audio	Audibility	Decision	Sum of Extracted Bits						
Police	5	soft	1	-1	1	1	-1	-1	1
		hard	2	-4	4	4	-2	-4	4
Beethoven	5	soft	1	-1	1	1	-1	-1	1
		hard	8	-8	2	8	-8	-8	6
Metallica	5	soft	1	-1	1	1	-1	-1	1
		hard	4	-8	8	4	-8	-8	8

El ejemplo Cuadro A.1 fue tomado de `http://www1.maths.leeds.ac.uk/latex/`.

Bibliografía

[1] C. GRIERSON AND J. SCHIEFELBEIN, *The Arabidopsis Book*, American Society of Plant Biologist, 2002.

[2] M. JONES AND N. SMIRNOFF, *Nuclear dynamics during the simultaneous and sustained tip growth of multiple root hairs arising from a single root epidermal cell*, J. of Exp. Bot., 57 (2006), pp. 4269–4275.

[3] J. D. MASUCCI AND J. W. SCHIEFELBEIN, *The rhd6 mutation of arabidopsis thaliana alters root-hair initiation trhough an auxin- and ethylene-associated process*, Plant. Physiol., 106 (1994), pp. 1335–1346.

[4] R. PAYNE AND C. GRIERSON, *A theoretical model for rop localisation by auxin in arabidopsis root hair cells*, PLoS ONE, 4 (2009), p. e8337. doi:10.1371/journal.pone.0008337.

[5] S. RIGAS, G. DEBROSSES, K. HARALAMPIDIS, F. VICENTE-ANGULO, K. A. FELDMAN, A. GRABOV, L. DOLAN, AND P. HATZPOULOS, *Trh1 encondes a potassium transporter required for tip growth in arabidopsis root hairs*, The Plant Cell, 13 (2001), pp. 139–151.