

INVENTING THE SUIT AND SAVING THE WORLD: ONE HUMAN'S STORY OF
UNPARALLELED GENIUS, INTERMINABLE COURAGE, AND GENERAL
AWESOMENESS

by

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Dedication

To Wanda Maximoff:

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Abstract

Abstract to be less than 300 words. The abstract is required. Write as a single block without indentation. An abstract is a concise summary of your dissertation. It should summarize your dissertation, its results, and their broader relevance. It allows readers determine the relevance of your dissertation for their own research and serves as an invitation to them to read it. It also communicates your key findings to those who don't have the time to read your entire dissertation.

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Acknowledgements

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Chapter 1: Introduction

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Figure 1.1: A capybara wearing a suit. Probably has an important meeting to get to.

Chapter 2: Methods

2.1 Study System

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2.2 Mathematical Model

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$$\frac{\partial u_i}{\partial t} = \underbrace{D \nabla^2 u_i}_{\text{Random Motion}} - \underbrace{2 \nabla [A_i \nabla u_i]}_{\text{Directed Motion}} \quad (2.1)$$

2.3 Statistical Model

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$$f(\mathbf{x}|\mathbf{y}, \theta_0) = \frac{\phi(\mathbf{x}|\mathbf{y}, \theta_0) \omega(\mathbf{x}, \boldsymbol{\beta})}{\int_{\Omega} \phi(\mathbf{x}'|\mathbf{y}, \theta'_0) \omega(\mathbf{x}', \boldsymbol{\beta})} \quad (2.2)$$

Parameter	Interpretation	Dimensions
$\mathbf{x}$	spatial location	[1x2]
$u_i(\mathbf{x},t)$	individual territory	[1x1] (i=5)
V_{hr}	vector field defining available space	[1x1]
$B(\mathbf{x})$	perceptive range of individual	[1x12]
$s_j(\mathbf{x},t B(\mathbf{x}))$	Spatially averaged effect in perceptive range	[1x1] (j=4)
$B^C_{i,j}$	effect of conspecific (from iSSA)	[5x5]

Table 2.1: Model components and parameters making up advection diffusion model as well as biological interpretation in model's system.

Chapter 3: Results

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3.1 Steady State Solution

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	TET052	TET030	TET072	TET062	TET074
TET052	-	-0.3	-0.1	-0.1	-0.14
TET030	-0.26	-	-0.1	-0.2	-0.2
TET072	-0.1	-0.1	-	-0.13	-0.1
TET062	-0.1	-0.31	-0.16	-	-0.1
TET074	-0.13	-0.21	-0.1	-0.1	-

Table 3.1: They all seem to be negative. Maybe that's significant? Maybe it's not. Why are a bunch of them 0.1?

3.2 Non-territorial Individual Analysis

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus

adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eupurus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Chapter 4: Discussion

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Appendix A: Supplemental Material

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Figure A.1: Frog looking real dapper.

Appendix B: More Supplemental Material

Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sedjusto eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.