

Problem Chosen

A

**2022
MCM/ICM
Summary Sheet**

Team Control Number

0000

This is title

Summary

This is **abstract**

Keywords: keyword1; keyword2

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1 Introduction

1.1 Background

1.2 Restatement of the Problem

1.3 Our Work

2 Assumptions and Explanations

3 Notations

Symbol	Description	Unit
D	Decomposition rate	% mass loss over 122 days
H	Hyphal extension rate	mm/ day
m	Moisture tolerance	—
G	Growth rate	mm/day
τ	Time	day
n	Fungi population size	Strain/ m^2
ω	Moisture niche width	MPa
v	Temperature niche width	$^{\circ}\text{C}$
x	Environmental moisture	MPa
y	Environmental temperature	$^{\circ}\text{C}$

4 Model

5 Sensitivity Analysis

6 Evaluation of Strengths and Weaknesses

6.1 Strengths

6.2 Weaknesses

References

- [1] D. E. KNUTH The \TeX book the American Mathematical Society and Addison-Wesley Publishing Company , 1984-1986.
- [2] Lamport, Leslie, \LaTeX : “ A Document Preparation System ”, Addison-Wesley Publishing Company, 1986.
- [3] <http://www.latexstudio.net/>
- [4] <http://www.chinatex.org/>

Appendices

Appendix A First appendix

In addition, your report must include a letter to the Chief Financial Officer (CFO) of the Goodgrant Foundation, Mr. Alpha Chiang, that describes the optimal investment strategy, your modeling approach and major results, and a brief discussion of your proposed concept of a return-on-investment (ROI). This letter should be no more than two pages in length.

Dear, Mr. Alpha Chiang

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Sincerely yours,

Your friends

Here are simulation programmes we used in our model as follow.

Input matlab source:

Appendix B Second appendix

some more text **Input C++ source:**

Letter

This is letter