

---

## Shortest Path Algorithms: Taxonomy and Advance in Research

my summary

# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Overview . . . . .	1
1.2	Restatement of the Problem . . . . .	1
1.3	Our Work . . . . .	1
<b>2</b>	<b>Notations and assumptions</b>	<b>1</b>
2.1	Notations . . . . .	1
2.2	Assumptions . . . . .	1
<b>3</b>	<b>... Model</b>	<b>1</b>
3.1	Model Overview . . . . .	2
<b>4</b>	<b>Robustness Analysis</b>	<b>2</b>
<b>5</b>	<b>Strength and Weaknesses</b>	<b>2</b>
5.1	Strengths . . . . .	2
5.2	Weaknesses . . . . .	2
	<b>References</b>	<b>2</b>
<b>A</b>	<b>1</b>	<b>2</b>
A.1	1 . . . . .	3
A.1.1	1 . . . . .	3
<b>B</b>	<b>report on Use of AI</b>	<b>4</b>

# 1 Introduction

test

## 1.1 Overview

test

## 1.2 Restatement of the Problem

- develop a model to

## 1.3 Our Work

- develop a model to

# 2 Notations and assumptions

## 2.1 Notations

Symbols	Description
1	2

## 2.2 Assumptions

to simplify the problem

- **Assumption 1:** The number of  
**Justification:** We assume

# 3 ... Model

**Definition 3.1.** *Niche width is the range of resources that a species can use.*

Niche width is an indicator [1]

---

**Algorithm 1** An algorithm with caption

---

**Require:**  $n \geq 0$

**Ensure:**  $y = x^n$

$y \leftarrow 1$

$X \leftarrow x$

$N \leftarrow n$

**while**  $N \neq 0$  **do**

**if**  $N$  is even **then**

$X \leftarrow X \times X$

$N \leftarrow \frac{N}{2}$

**else if**  $N$  is odd **then**

$y \leftarrow y \times X$

$N \leftarrow N - 1$

**end if**

**end while**

---

▷ This is a comment

### 3.1 Model Overview

## 4 Robustness Analysis

## 5 Strength and Weaknesses

### 5.1 Strengths

tableofcontents

### 5.2 Weaknesses

test

## References

- [1] Alice Axford, Bob Birkin, Charlie Copper, and Danny Dannford. Demonstration of bibliography items. *Journal of T<sub>E</sub>Xperts*, 36(7):114–120, Mar 2013.

backmatter/papers

Begin your appendix here.

## A 1

test

## **A.1 1**

test

### **A.1.1 1**

test

**1** test

**1** test

## **B    report on Use of AI**

no use