|  |  |  |
| --- | --- | --- |
| **Problem Chosen** A | **2020 MCM/ICM Summary Sheet** | **Team Control Number** 1111111 |

Title: Add your paper title

Summary

Add your summary here.

**Keywords:** keyword1; keyword2; keyword3; (list three to ten pertinent keywords specific to the article)

Content

[Title: Add your paper title 1](#_Toc32506324)

[Summary 1](#_Toc32506325)

[Content 1](#_Toc32506326)

[1 Introductions 1](#_Toc32506327)

[1.1 Problem Background 1](#_Toc32506328)

[1.2 Our Work 1](#_Toc32506329)

[2 Assumptions 1](#_Toc32506330)

[3 Notations 1](#_Toc32506331)

[4 The Model 2](#_Toc32506332)

[4.1 XXXX 2](#_Toc32506333)

[4.2 XXXX 2](#_Toc32506334)

[4.3 Improved Model 2](#_Toc32506335)

[*4.3.1* *Extra Symbols* 2](#_Toc32506336)

[*4.3.2* Additional *Assumptions* 3](#_Toc32506337)

[*4.3.3* *The Foundation of Model* 3](#_Toc32506338)

[5 Solution and Result 3](#_Toc32506339)

[6 Model Analysis 4](#_Toc32506340)

[6.1 Sensitivity Analysis 4](#_Toc32506341)

[6.1.1 XXXX 4](#_Toc32506342)

[6.1.2 XXXX 4](#_Toc32506343)

[6.2 Strengths and Weaknesses 4](#_Toc32506344)

[7 Conclusions 4](#_Toc32506345)

[7.1 Conclusions of the problem 4](#_Toc32506346)

[7.2 Methods used in our models 4](#_Toc32506347)

[7.3 Applications of our models 4](#_Toc32506348)

[8 Future Work 5](#_Toc32506349)

[8.1 Another model 5](#_Toc32506350)

[8.1.1 The limitations of XXX theory 5](#_Toc32506351)

[8.1.2 5](#_Toc32506352)

[8.1.3 5](#_Toc32506353)

[8.1.4 5](#_Toc32506354)

[8.2 Another XXX of 6](#_Toc32506355)

[References 6](#_Toc32506356)

[Appendix  I](#_Toc32506357)

1. Introductions
   1. Problem Background

Add your text here.

* 1. Our Work

Add your text here.

1. Assumptions

Add your text here.

1. Notations

Add your text here. We use the nomenclature in Table 1.

Table 1.XXXX

|  |  |  |
| --- | --- | --- |
| **Symbol** | | **Definition** |
| *N* | Planned working years for a dam | |
| M | Overall water management | |

Add your text here.

1. The Model
   1. XXXX

Add your text here. The result is shown in Fig. 1.



Fig. 1. XXXX

Add your text here.

* 1. XXXX

Add your text here.

 (1)

Add your text here.

 (2)

Add your text here. *v* is the cross-sectional average velocity, *k* is a conversion factor between SI and English units, is the gap between *i*th andth cross section.

* 1. Improved Model
     1. *Extra Symbols*

Signs and definitions indicated above are still valid. Here are some extra signs and definitions.

* + 1. **Additional** *Assumptions*
  + Assumptions concerning the process are the same as the Basic Model.
    1. *The Foundation of Model*

**1) How do we determine the optimal number?**

As we have concluded from the Basic Model,

1. Solution and Result

**1) Simulation algorithm**

Based on the analysis above, we design our simulation arithmetic as follows.

* + **Step1:**
  + **Step2:**
  + **Step3:**

* + **Step4:**
  + **Step5:**
  + **Step6:**
  + **Step7:**
  + **Step8:**
  + **Step9:**

**2) Flow chart**

The figure below is the flow chart of the simulation.

**3) Solution**

1. Model Analysis
   1. Sensitivity Analysis
      1. **XXXX**

Add your text here.

* + 1. **XXXX**

Add your text here.

* 1. Strengths and Weaknesses
* **Strength:** The Improved Model aims to make up for the neglect of . The result seems to declare that this model is more reasonable than the Basic Model and much more effective than the existing design.
* **Weakness:** . Thus the model is still an approximate on a large scale. This has doomed to limit the applications of it.

1. Conclusions
   1. Conclusions of the problem

* 1. Methods used in our models
* 1. Applications of our models

1. Future Work
   1. Another model
      1. The **limitations** of XXX theory











**1)**

**2)**

**3)**

**4)**

* 1. Another XXX of

References

1. 1111
2. 111111
3. 11111111111
4. 1111

[Appendix](http://www.baidu.com/link?url=QM38lAb_h46B7gWV9bW_ZP4-WZOzws_bRkUPCNWO39iu7itLZBCaeQrt1kRixs1KqNJG0WRZswoBNLk-RWL9I3vnBU29ap_A3FWUmggDHwO)