Team Control Number

55869

Problem Chosen

C

2018
MCM/ICM
Summary Sheet

Summary

Keywords: **A,**   **B,**

Contents

1   Introduction

2   Assumptions

(1) example. example.

3   Symbol Description

Table 1:Constants

Symbol	uint	Meaning	value
P_v''	hP_a	example	12

Table 2:Notation

Symbol	uint	Meaning
$V(h)$	m^3	example

4   Heat Dissipation Model

example

$$
\begin{aligned}
h &= H(v) \\
S_1 &= S_1(h) \\
S_2 &= S_2(h)
\end{aligned}
\tag{4.1}
$$

example

- Liquid surface heat loss model.

- contact area of liquid and bathtub heat loss model.

5 Model of Hot Water Addition

5.1 example

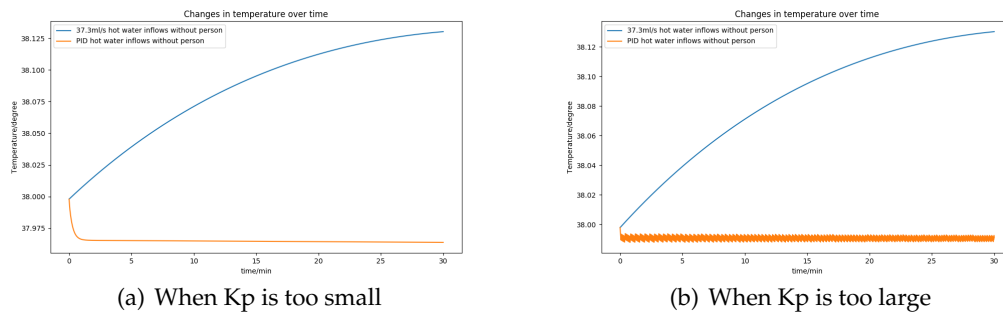(a) When Kp is too small

(b) When Kp is too large

Figure 1: Only use Kp[1]

6 Strengths and Weaknesses

7 References

References

[1] Zhenguo Zhao. Formula of enthalpy difference for water surface heat dissipation and its application[J]. Journal of Hydraulic Engineering, 2004(02):34-38.