

# Least Squares Filter Applied to a Temperature Control System using Simulink

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## *Abstract—*

**Keywords—Control System, Least Squares Filter, Simulink, Temperature**

## I. INTRODUCTION

Heating and temperature control systems have played a crucial role since the end of the 19th century. This kind of system has different applications in day-to-day task and industrial applications.

In 1895, Johnson contributed to temperature control with an automatic multi-zone temperature control system [1].

## II. METHODOLOGY

## III. RESULTS AND DISCUSSION

## IV. CONCLUSIONS

## REFERENCES

- [1] W. S. Johnson, “Heat regulating apparatus,” U.S. Patent 542 733, July 16, 1895. [Online]. Available: <https://patents.google.com/patent/US542733A>