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#### Abstract

This is the paper's abstract. An abstract is a terse summary of the contents of the paper. This section should generally be written last.

### 1 Introduction

This is the paper's introduction. The introduction poses the question that the paper intends to answer.

**Outline** It is helpful to include an outline of the paper as the last paragraph in your introduction: The remainder of this article is organized as follows. Section 2 gives account of previous work. The model we developed is described in Section 3. Our new and exciting results are described in Section 4. Finally, Section 5 gives the conclusions.

#### 2 Background

The background could include historical and scientific background information pertinent to the question, or refer to previous work in the field: A much longer  $\operatorname{ETEX} 2_{\varepsilon}$  example was written by Gil [1].

#### 3 Model

The Model section should describe the variables, parameters and equations used in the model.

# 4 Results

In this section we describe the results. Typically we would describe solutions or simulations to illustrate the behavior of the model. Solutions could either be analytical or numerical. Depending on the thrust of the work this section could also be labeled Analysis.

## 5 Conclusions

Finally, in the Conclusion, we discuss how the analysis of the model has helped to answer the question posed in the introduction.

# References