A Simple Article Template

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Abstract

This starter demonstrates the pieces a research article typically needs: theorem environments, a resolved bibliography, a table, and a figure, laid out with natbib and standard AMS math packages. Replace this paragraph with a real abstract once the sections below are filled in.
Keywords: article, template, simple

Contents

1 Introduction **1**
1.1 Preliminaries 1
1.2 Related Work 1

2 Results **2**

A Omitted Proof from Section 2 **2**

1 Introduction

State the problem the paper addresses and summarise the contribution in a paragraph or two before diving into preliminaries.

1.1 Preliminaries

Introduce notation and any definitions the rest of the paper depends on.

1.2 Related Work

Prior results relevant to this paper are discussed in [3], and the underlying combinatorial notion used throughout is due to [1, 2].

Theorem 1. *State the main result here.*

Proof. Give the proof, or a sketch with a pointer to the appendix. □

Corollary 2. *A direct consequence of Theorem 1.*

- A first supporting point.
- A second supporting point.

1. A first step in a procedure.
2. A second step, following from the first.

Table 1 is referenced from the body text like this.

*Author One was partially supported by Grant XXX

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Odd	Even
One	Two
Three	Four

Table 1: An example table

2 Results

Present the paper's results here. (See Figure 1 for an illustration.)

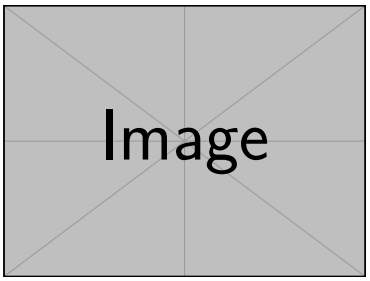

Figure 1: An example figure

Acknowledgements Thank funding sources and colleagues who reviewed drafts here.

References

[1] Claude Berge. Two theorems in graph theory. *Proceedings of the National Academy of Sciences*, 43 (9):842–844, 1957.

[2] Claude Berge. *Théorie des Graphes et ses Applications*. Dunod, 1958.

[3] Frank Harary and Ronald C. Read. *Is the Null-Graph a Pointless Concept?* Springer, 1974.

A Omitted Proof from Section 2

Long derivations that would break up the main text's flow go here instead.

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