

# Clever Paper Title

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## Abstract

This is a simple template for my papers. It's not very different from the plain article style, but it has most of the macros I use pre-written.

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## 1 Introduction

In the beginning... Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetur.

## 2 Table Example

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## Acknowledgments

P.T. thanks *your name here* for useful comments and discussions. P.T. thanks the Aspen Center for Physics (NSF grant #1066293) for its hospitality during a period where part of this work was completed. P.T. is supported by the DOE grant DE-SC/0008541.

Element	Core MF	Mantle MF	$C_{\text{cap}}^N(\text{s}^{-1})$
Iron	0.855	0.0626	$9.43 \times 10^7$
Nickel	0.052	0.00196	$7.10 \times 10^6$
Silicon	0.06	0.210	$2.24 \times 10^6$
Magnesium	0	0.228	$1.05 \times 10^6$

Table 1: Mass fractions of the Earth’s core and mantle.