

Introduction to Overleaf

Sofia Sheikh
Intro2Astro 2020

What is LaTeX?

- Ryan is going to tell you soon!
- Overleaf = convenient way to use LaTeX
- But, briefly: LaTeX is the software / programming language that we use to make nice-looking documents in science
 - Our papers!

Installing LaTeX on your computer

- Download a LaTeX distribution for your operating system
- Download an editor (if you want, can use Notepad)
- Make a .tex document, run it, you'll get your PDF out the other side
 - Just like running any other kind of code in terminal!

Overleaf!

Overleaf

- Online LaTeX editor and compiler
 - “Google Docs for science”
- Many astronomers use it
- Allows you to collaborate on a document with multiple authors/editors
- Everything is saved to the cloud (autosaving)



































Registering for Overleaf

- Go to www.overleaf.com/register
- Make an account (it's free!)
 - Some universities give you access to the deluxe version for free as well (not necessary though)
 - Make sure you have a permanent email attached to the account when your school one runs out

[New Project](#)

To help you work from home throughout 2020 and beyond, we're providing specially discounted annual plans.

[Upgrade](#)

<input type="checkbox"/> Title	Owner	Last Modified ▾	Actions
<input type="checkbox"/> The Breakthrough Listen Search for Intelligent Life: MeerKAT Target Selection	Howard Isaacson 	4 hours ago by Howard Isaacson	   
<input type="checkbox"/> gw	Michael Hippke 	2 days ago by Michael Hippke	   
<input type="checkbox"/> Breakthrough Listen observations of GJ887	D P 	3 days ago by You	   
<input type="checkbox"/> A Radio Technosignature Search at Anti-Pulsar Points	You	6 days ago by You	   
<input type="checkbox"/> NSF Grant Proposal Template	You	7 days ago by You	   
<input type="checkbox"/> cv_example	You	25 days ago by You	   
<input type="checkbox"/> April2020_Advisory	David DeBoer 	a month ago by David DeBoer	   

Are you affiliated with an institution?

[Add Affiliation](#)

New Project

- Blank Project
- Example Project
- Upload Project
- Import from GitHub

- Templates
 - Academic Journal
 - Book
 - Formal Letter
 - Homework Assignment
 - Poster
 - Presentation
 - Project / Lab Report
 - Résumé / CV
 - Thesis
 - View All

To help you work from home throughout 2020 and beyond, we're providing specially discounted annual plans.

[Upgrade](#)

Title	Owner	Last Modified ▾	Actions
The Breakthrough Listen Search for Intelligent Life: MeerKAT Target Selection	Howard Isaacson	4 hours ago by Howard Isaacson	
gw	Michael Hippke	2 days ago by Michael Hippke	
Breakthrough Listen observations of GJ887	D P	3 days ago by You	
A Radio Technosignature Search at Anti-Pulsar Points	You	6 days ago by You	
NSF Grant Proposal Template	You	7 days ago by You	
cv_example	You	25 days ago by You	
April2020_Advisory	David DeBoer	a month ago by David DeBoer	

Templates

Start your projects with quality LaTeX templates for journals, CVs, resumes, papers, presentations, assignments, letters, project reports, and more. Search or browse below.

[Search](#)

Gallery - Templates, Examples and Articles written in LaTeX

Science Journal (PSJ), and Research Notes (RN). The latest LaTeX classfile is **AAS_TEX** v6.3 and it can be obtained here. The sample63.tex template uses this...

AAS_TEX Template for submissions to The Astrophysical Journals Letters

AAS_TEX Template for submissions to The Astrophysical Journals Letters - Overleaf, Online LaTeX Editor **AAS_TEX** Template for submissions to The...

AAS_TEX Template for submissions to AAS Journals (ApJ/AJ/ApJS/ApJL/PSJ/RN)

AAS_TEX Template for submissions to AAS Journals (ApJ/AJ/ApJS/ApJL/PSJ/RN) - Overleaf, Online LaTeX Editor **AAS_TEX** Template for submissions to AAS...

Templates - Journals, CVs, Presentations, Reports and More

latest LaTeX classfile is **AAS_TEX** v6.3 and it can be obtained here. The sample63.tex template uses this classfile to illustrate some of the newer...

Gallery - Templates, Examples and Articles written in LaTeX

AAS \TeX Template for submissions to AAS Journals (ApJ/AJ/ApJS/ApJL/PSJ/RN)

[Open as Template](#)
[View Source](#)
[Download PDF](#)

Author

American Astronomical Society

License

Other (as stated in the work)

Abstract

In the abstract update the first paragraph of text to this "The American Astronomical Society (AAS) has developed a markup package to assist authors in preparing manuscripts intended for submission to all the AAS-affiliated journals. The journals are the Astrophysical Journal (ApJ), the Astronomical Journal (AJ), ApJ Supplements (ApJS), Letters (ApJL), The Planetary Science Journal (PSJ), and Research Notes (RN). The latest LaTeX classfile is AAS \TeX v6.3 and it can be obtained [here](#). The sample63.tex template uses this classfile to illustrate some of the newer features for submissions to the main Journals. RN authors can use the rnaas.tex template for the shorter Research

DRAFT VERSION AUGUST 19, 2019
Typeset using L^AT_EX default style in AAS \TeX 63

Template AAS \TeX Article with Examples: v6.3^{*}

GREG J. SCHWARZ¹
et al.

(AAS JOURNALS DATA SCIENTISTS COLLABORATION)

BUTLER BURTON^{2,3}

AMY HENDRICKSON^{4,1}
(L^AT_EX COLLABORATION)

JULIE STEFFEN^{5,1} AND SCOTT CHERNOFF⁶

¹*American Astronomical Society
1667 K Street NW, Suite 800
Washington, DC 20006, USA*

²*Leiden University
³AAS Journals Associate Editor-in-Chief*

⁴*TeXnology Inc.*

⁵*AAS Director of Publishing
⁶IOP Publishing, Washington, DC 20005*

(Received June 1, 2019; Revised January 10, 2019; Accepted August 19, 2019)

Submitted to AJ

ABSTRACT

This example manuscript is intended to serve as a tutorial and template for authors to use when writing their own AAS Journal articles. The manuscript includes a history of AAS \TeX and documents the new features in the previous versions as well as the new features in version 6.3. This manuscript includes many figure and table examples to illustrate these new features. Information on features not explicitly mentioned in the article can be viewed in the manuscript comments or more extensive online documentation. Authors are welcome to replace the text, tables, figures, and bibliography with their own and submit the resulting manuscript to the AAS Journals peer review system. The first lesson in the tutorial is to remind authors that the AAS Journals, the Astrophysical Journal (ApJ), the Astrophysical Journal Letters (ApJL), and Astronomical Journal (AJ), all have a 250 word limit for the abstract⁽¹⁾. If you exceed this length the Editorial office will ask you to shorten it. This abstract has 180 words.

Keywords: editorials, notices — miscellaneous — catalogs — surveys

1. INTRODUCTION

Project Files

The .tex file

The Editor

**To update
your PDF
with
changes**

The PDF View

Back to home page

Upload new files (ex.
figures)

Compile
warnings
(orange)
and errors
(red)

Download
your PDF

Menu AAS PUBLISHING ↑ AASTeX Template for submissions to AAS Journals (ApJ-AJ-ApJS-ApJL-PSJ-RN) (1) Review Share Submit to AAS History Chat

Source Rich Text Recompile

figures
aasjournal.bst
aastex63.cls
Orcid-ID.png
rnaas.tex
sample63.bib
sample63.tex

```
5 %  
6 % This is a sample manuscript marked up using the  
7 % AASTeX v6.3 LaTeX 2e macros.  
8 %  
9 % AASTeX is now based on Alexey Vikhlinin's  
10 emulateapj.cls  
11 % (Copyright 2000-2015). See the classfile for  
12 % details.  
13 % AASTeX requires revtex4-1.cls  
14 % (http://publish.aps.org/revtex4/) and  
15 % other external packages (latexsym, graphicx,  
16 % amssymb, longtable, and epsf).  
17 % All of these external packages should already be  
18 % present in the modern TeX  
19 % distributions. If not they can also be obtained at  
20 % www.ctan.org.  
21 % The first piece of markup in an AASTeX v6.x document  
22 % is the \documentclass  
23 % command. LaTeX will ignore any data that comes  
24 % before this command. The  
25 % \documentclass can take an optional argument to  
26 % modify the output style.  
27 % The command below calls the preprint style which  
28 % will produce a tightly  
29 % typeset, one-column, single-spaced document. It is  
30 % the default and thus  
31 % does not need to be explicitly stated.
```

Template AASTeXArticle with Examples: v6.3^{*}

GREG J. SCHWARZ¹
et al.
(AAS JOURNALS DATA SCIENTISTS COLLABORATION)

BUTLER BURTON^{2,3}

—

AMY HENDRICKSON^{4,1}
(LATEX COLLABORATION)

JULIE STEFFEN^{5,1} AND SCOTT CHERNOFF⁶

—

¹American Astronomical Society
1667 K Street NW, Suite 800
Washington, DC 20006, USA
²Leiden University
³AAS Journals Associate Editor-in-Chief
⁴TeXnology Inc.
⁵AAS Director of Publishing
⁶IOP Publishing, Washington, DC 20005

(Received June 1, 2019; Revised January 10, 2019; Accepted July 24, 2020)

Submitted to AJ

ABSTRACT

This example manuscript is intended to serve as a tutorial and template for authors to use when writing their own AAS Journal articles. The manuscript includes a history of AASTeX and documents the new features in the previous versions as well as the new features in version 6.3. This manuscript includes many figure and table examples to illustrate these new features. Information on features not explicitly mentioned in the article can be viewed in the manuscript comments or more extensive online documentation. Authors are welcome to replace the text, tables, figures, and bibliography with their own and submit the resulting manuscript to the AAS Journals peer review system. The first

Overleaf - Collaboration and Submitting

- Can share documents the same as with Google Docs
 - link sharing or share with specific users
 - Read-only or edit permissions
- Has built-in commenting features (I haven't used them often)
- Can actually start the journal submission process through Overleaf as well
 - For AAS journals, this is mostly just a redirect to the AAS site



"FINAL".doc



FINAL.doc!



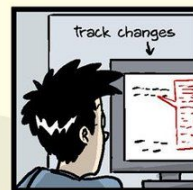
FINAL_rev.2.doc



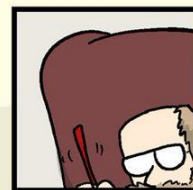
FINAL_rev.6.COMMENTS.doc



FINAL_rev.8.comments5.
CORRECTIONS.doc



FINAL_rev.18.comments7.
corrections9.MORE.30.doc



FINAL_rev.22.comments49.
corrections.10.##\$%WHYDID
ICOMETOGRADSCHOOL?????.doc

JORGE CHAN © 2012