# Accessible Article Template

James M. Murray

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**Abstract**

This is a demonstration of an accessible article template using the `accessarticle` class.
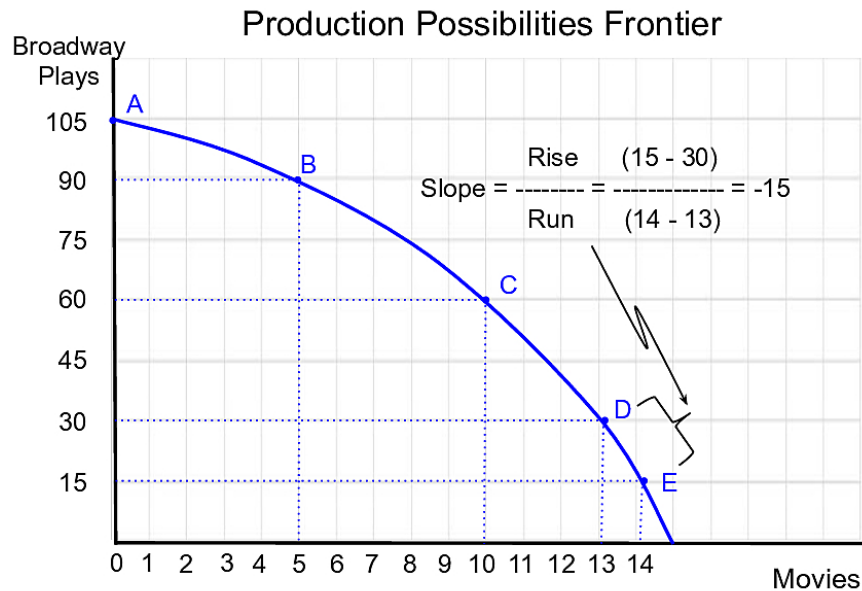
# 1 Introduction

This accessible article template is designed to help authors create documents that comply with UA-1 PDF accessibility standards. It includes features for tagging content, providing alternative text for images, and properly marking up mathematical expressions.

Documents created with the `accessarticle` document class must be built with `lualatex`. Tex engines such as `pdflatex` or `xelatex` will not work properly with the accessibility features and will result in build errors.

# 2 Including Graphics

## 2.1 Accessible Graphics with Alt Text

The `includegraphics` environment is redefined to require alternative text for accessibility. Here is an example:

## 2.2 Purely Decorative Graphics

Use the new `decographics` command for purely decorative images that should be ignored by assistive technologies and therefore do not use alternative text:



# 3 Equations

The `displaymath` environment is enhanced to optionally provide alt text for your math expressions.

$$s = \sqrt{\frac{\sum_{i=1}^{n} x_i^2 - \frac{1}{n}\left(\sum_{i=1}^{n} x_i\right)^2}{n-1}}$$

The `equation` environment is similarly enhanced:

$$e^{i\pi} + 1 = 0 \tag{1}$$

# 4 Conclusion

This document class is intended to be simple with minimal additional features so that LaTeX articles can meet accessibility standards.

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I welcome bug reports, feedback, and suggestions, but I have very limited time to maintain this project. Do not expect responses, fixes, or new features in a timely manner.