the δelta εpsilon

2025-26

Submission Guidelines

Editors-in-Chief:
Aahaan Rawal and Hy Vu

Editors:
Aditya Sharma
Elizabeth von Oorshot
Nitya Khirwar
Louis Meunier

Social Media Rep:
Callie Taylor

SUMS
SOCIETY OF UNDERGRADUATE MATHEMATICS STUDENTS

McGill

1 Who are we?

We are an undergraduate math journal, by undergrads for undergrads, for anyone with a passion for mathematics, regardless of their major or program. Our articles are reviewed by graduate students in mathematics. This is a great opportunity for undergrads to gain experience writing a paper for publication and showcase work they are proud of! As a bonus, it looks great on CVs and grad school apps. Right now we are looking for submissions for our April 2026 issue. The deadline to submit will be **Jan. 31st, 2026 at 11:59pm.**

On our Instagram account, you'd get to know the editorial team, of whom would be working with you for the duration until publication; and more exciting contents to come. If this is of interest, consider following: thedeltaepsilon

2 What kind of articles are we looking for?

Here are some suggestions of what you could write as articles for the Delta Epsilon:

1. Research you've taken part it. This could be a paper from a class (such as MATH410, MATH470), an independent study, SURA or NSERC projects, or a Directed Reading Program. Note: it does *not* have to be novel research! We know you're all undergrads.

2. Expository papers on a particular subject you are interested in.

3. Perspectives on course material. Perhaps you can shed light on a particular theorem you found interesting in class, share a link between two courses, or explain common mistakes you notice your peers making.

4. Historical articles. This could include, but is not limited to, biographies of mathematicians (past or present) or the history of how certain mathematical fields came to be.

5. For fun! Puzzles, games, jokes, crosswords, poems, art, anything that has to do with math!

3 How long should my article be?

We are looking for articles between three (3) and seven (7) pages long, under the format described below. For recreational mathematics, shorter one or two pages articles will be accepted.

4 How should I submit my article?

Submission can either be submitted using our Google Form or be emailed to thedeltaepsilon@gmail.com. Please follow the instruction below:

- All articles submitted is highly recommended to be in LaTeX form with all graphs or pictures attached separately as .jpg. Your article will be processed much faster if you follow the LaTeX template provided (next page)
- Includes all name(s) and email(s) of the author(s) with the degrees they are pursuing.
- Upon submission, you must include an abstract of 150-250 words in the submission form (or in the email) to introduce the article with objectives, methods, results and conclusions.
- Once the article is accepted for publication, all authors must sign a consent form affirming the article is original work and that it does not violate any copyright issues.

5 Peer and Graduate Review

Historically, The Delta Epsilon has used a peer review process for all submissions to the journal, and the experience was considered a huge success. We thus will continue this tradition this year. This means that in addition to your submission being reviewed by our undergraduate editorial board, your article will be sent to a graduate student to examine the content and give feedback. Their comments will be sent to you and you will be asked to make the necessary changes to your article before publication. This is meant to give both undergraduates and graduate students a chance to participate in the reviewing process that forms an integral part of academia.

6 Questions?

Do not hesitate to reach out to Aahaan or Hy, our editors-in-chief, at thedeltaepsilon@gmail.com with any further questions!

```
    % The Delta-Epsilon Style Sheet
%
% author:          A. Tomberg
% date        :          23.11.2009
% version:         v2.0
%
%author: N. Hayek
%date: 13.9.2024
%version: v2.1

%notes: to use, declare DE as document class
%        > to import articles: \newarticle{title}{author} \subfile{filename.tex}
%        > underlying class is article

\ProvidesClass{DE}
\LoadClass[10pt, twoside, notoc, nolof, nolot, nomaketitle]{article}
%--------- PACKAGES -----------
\usepackage{mathrsfs}
\usepackage{amsmath, amsthm, amssymb, amsfonts,mathtools}
\usepackage{mathptmx}
\usepackage{physics}
\usepackage{color,graphicx}
\usepackage[dvipsnames]{xcolor}
\usepackage{geometry}
\usepackage{multicol, multirow}
\usepackage{array}
\usepackage{subfiles}
\usepackage{sectsty}
\usepackage{fancyhdr}
\usepackage{url}
\usepackage{wrapfig}
\usepackage{verbatim}
\usepackage{lipsum}
\usepackage[all]{xy}
\usepackage{enumerate}
\usepackage{latexsym,graphics}%,styles}
\usepackage{tikz,pgfplots}
\usepackage[english]{babel}
\usepackage[utf8]{inputenc}
\usepackage{cite}
\usepackage{relsize}
\usepackage{titletoc}
\usepackage[ruled, vlined]{algorithm2e}
\usepackage{algorithmic}
\usepackage{float}
\usepackage[citecolor=black]{hyperref}
```

```
\usepackage{enumitem}
\usepackage{xurl} % This is for url with lots of hyphen
\usepackage{cleveref} %This is for \cref{}
\usepackage{subcaption} % For subfigures
\usepackage{caption}
\usepackage{sudoku} % For sudoku puzzles late
\usepackage{cwpuzzle} % For crossword puzzle
\usepackage{dirtytalk}
\usepackage{pdfpages} % For insert cover page pdf

%--------- THEOREMS ---------

\newtheorem{thm}{Theorem}
\newtheorem{lem}[thm]{Lemma}
\newtheorem{prop}[thm]{Proposition}
\newtheorem{cor}[thm]{Corollary}
\newtheorem{fact}[thm]{Fact}
\newtheorem*{defn}{Definition}
\newtheorem{conseq}[thm]{Consequence}
\newtheorem{problem}[thm]{Problem}
\newtheorem{claim}[thm]{Claim}

\newtheorem*{thm0}{Theorem 0}
\newtheorem*{thm1a}{Theorem 1(a)}
\newtheorem*{thm1b}{Theorem 1(b)}
\newtheorem*{thm2}{Theorem 2}

\theoremstyle{definition}
\newtheorem*{exm}{Example}

\theoremstyle{remark}
\newtheorem*{rmk}{Remark}


%--------- COMMANDS ---------
%\DeclareMathOperator{\rank}{rank}
\DeclareMathOperator{\height}{height}
\DeclareRobustCommand{\\}{\par\vspace{1.5ex}\noindent}
%\DeclareMathOperator{\Tr}{Tr}
\newcommand{\V}[1]{\text{V}\left(#1\right)}
\newcommand{\E}[1]{\text{E}\left(#1\right)}
\newcommand{\BZ}{\mathbb Z}
\newcommand{\BN}{\mathbb N}
\newcommand{\BR}{\mathbb R}
\newcommand{\BC}{\mathbb C}
\newcommand{\BQ}{\mathbb Q}
\newcommand{\negfour}{\negthickspace\negthickspace\negthickspace\negthickspace}

\providecommand{\abs}[1]{$\left\lvert#1\right\rvert$}
```

```
\DeclareMathAlphabet{\mathcal}{OMS}{cmsy}{m}{n}

\newcommand{\sgn}{\normalfont\text{sgn }}
\newcommand{\supp}{\normalfont\text{supp }}

%-----------TOC------------
\titlecontents{part}[2.3em]
{}
{\bfseries\contentslabel[\noindent\thecontentslabel.0]{2em}}
{\bfseries}
{\titlerule*[.5pc]{.}\textbf{\contentspage}}

\titlecontents{chapter}[2.3em]
{}
{\itshape\contentslabel[\noindent\thecontentslabel.0]{2em}}
{\itshape}
{\\}

\setcounter{tocdepth}{0}

%---------- MACROS ----------

% Our name
\newcommand{\deleps}{\textsc{The $\delta$elta $\epsilon$psilon}}
\newcommand{\mumj}{\textsc{McGill Undergraduate Mathematics Journal}}

% Putting author and title in the header
\newcommand{\authortochead}[1]{\fancyhead[RE]{#1}}
\newcommand{\titletochead}[1]{\fancyhead[LO]{#1}}

% New article command
\newcommand{\newarticle}[2]{
\setcounter{thm}{0}
\begin{center} {\Large \textbf{\textsc{#1}}} \\ \vspace{6pt}\textsl{#2}\end{center}
\titletochead{#1} \authortochead{#2}
\addcontentsline{toc}{part}{#1}
\addcontentsline{toc}{chapter}{#2}
 }

%New article with shortening of toc and header title
\newcommand{\newarticleshort}[3]{
\setcounter{thm}{0}
\begin{center} {\Large \textsc{#1}} \\ \vspace{6pt}\textsl{#3}\end{center}
\titletochead{#2} \authortochead{#3}
\addcontentsline{toc}{part}{#2}
\addcontentsline{toc}{chapter}{#3}
}

% Remove the word "Abstract" before the abstract
```

```
\addto\captionsenglish{\renewcommand{\abstractname}{\vspace{-1pc}}}


%--------- FIGURES ----------
\makeatletter
\newenvironment{tablehere}
  {\vspace{6pt}\begin{center}\def\@captype{table}}
  {\end{center}}

\newenvironment{figurehere}
  {\vspace{6pt}\begin{center}\def\@captype{figure}}
  {\end{center}}
\makeatother

%---------- FONT ----------

% We use roman fonts.

\fontfamily{cmr}
\selectfont

%---------- MARGINS ---------
%1pc = 12pt, 1in = 72.27pt

\geometry{letterpaper, twoside, verbose, ignoremp,
                        bindingoffset         = 3pc, %3
                        right                                 = 4pc, %4
                        columnsep                 = 2pc,
                        top                                   = .9in,
                        bottom                          = .9in}

%------- HEADINGS STYLE -----

\sectionfont{\normalfont\large\centering\scshape}
\subsectionfont{\normalfont\large\itshape}
\subsubsectionfont{\normalfont\normalsize\itshape}

%------- HEADER/FOOTER ------

\pagestyle{fancy}
\renewcommand{\footrulewidth}{0.4pt}
%\renewcommand{\headheight}{18pt}

\fancyhead[RO,LE]{\thepage}
\fancyhead[CE,CO]{}

\fancyfoot[C]{}
\fancyfoot[RO,LE]{\deleps}
\fancyfoot[RE,LO]{\mumj}
```

```
%-------- HYPERREF SET UP ----------
\hypersetup{
    colorlinks=true,
    linkcolor=black,
    filecolor=black,
    urlcolor=black,
}
```

Remark. This class file provides several shortcut commands for common mathematical symbols. You may browse the `.cls` file to see all available commands. For example, `\BZ` produces $\mathbb{Z}$.

How to Use the Package

1. Create a new file in your LaTeX editor or in Overleaf.
2. Name the file however you like, but it **must end with .cls**.
3. Copy and paste the class code (shown above) into this new `.cls` file.
4. In your main `.tex` file, load the class using `\documentclass{<classname>}`.
   For example, if you named your class file `Template.cls`, write:
   `\documentclass{Template}`
5. After `\begin{document}`, insert the following to begin your article:

```
\newarticle{Your Article Title}{Your Name(s)}

\begin{abstract}
    Type your abstract here.
\end{abstract}

\begin{multicols}{2} %% Two-column layout %%
    Type your article here.
\end{multicols}
```