

Example file for a contribution to the Discrete Mathematics Days 2024*

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Abstract

This is an example of how to write your extended abstract for the *Discrete Mathematics Days 2024*, to be held in Alcalá de Henares in July 2024. Use the class `dmd2024`.

Here you can add a concise abstract for the paper. This abstract is optional, and you can skip it. Since our class file is based on the L^AT_EX class `article`, abstract goes after `\maketitle` in the source file.

1 Introduction

The Discrete Mathematics Days (DMD) 2024 will be held on July 3–5, 2024, at the Universidad de Alcalá (Alcalá de Henares, Spain). The main focus of this international conference is on current topics in Discrete Mathematics, including (but not limited to):

- Coding Theory and Cryptography.
- Combinatorial Number Theory.
- Combinatorics.
- Discrete and Computational Geometry.
- Discrete Optimization.
- Graph Theory.
- Theoretical Computer Science.

The previous editions were held in Santander in 2024 (postponed from 2020), Seville in 2018 and Barcelona in 2016, inheriting the tradition of the Jornadas de Matemática Discreta y Algorítmica (JMDA), the Spanish biennial meeting (since 1998) on Discrete Mathematics.

Visit the webpage <https://dmd2024.web.uah.es> for more information.

*The full version of this work can be found in [4] and will be published elsewhere. This research is supported by ..

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2 Other possible sections

You may include as many sections and subsections as needed. Please do not capitalize words in titles of sections or subsections.

The environments defined in the class file are `theorem`, `lemma`, `corollary`, `proposition`, `remark`, `conjecture`, and `definition`. If you need additional ones (for example, `example`) add them to the preamble of your file in the following format:

```
\newtheorem{example}[theorem]{Example}
```

Some examples:

Definition 1. *Something you may want to define.*

Lemma 2. *This is a lemma.*

Proof. This is a proof. □

Theorem 3. *This is the main theorem.*

Proof. This follows immediately from Lemma 2. □

You can include figures, if you fancy them or need them. As an example, see Figure 1.



Figure 1: Facade of the main building of the Universidad de Alcalá in 1888. Founded in 1499, it is considered the world's first planned university city. The university and historic precinct were declared World Heritage by UNESCO in 1998 [5].

3 Submissions

The program of the workshop consists of four one-hour invited talks, a number of shorter (≈ 20 min.) contributed talks and a poster session. In addition, a prize talk will be given by the awardee of the Ramon Llull Prize in Discrete Mathematics¹. If you wish to contribute a talk or poster, please submit it via our EasyChair page <https://easychair.org/conferences/?conf=dmd2024>.

¹<https://dam-network.github.io/ramon-llull/>

Submissions will be reviewed by the Scientific Committee. In order to be accepted for the conference, submissions must contain original and interesting research in the area of discrete mathematics. If too many acceptable talks are submitted, the Scientific Committee may ask some of them to be presented as posters instead.

The extended abstracts of accepted talks and posters will be made available at the web of the workshop and are expected to be published electronically, including DOI and ISBN. Simultaneous submission of a final, full version of your contribution to a journal or another conference is acceptable and, in fact, expected.

Extended abstracts must use our template L^AT_EX format (see below) and are limited to a maximum of six pages.

Important dates

- Deadline for submitting extended abstracts: April 7, 2024
- Communication of acceptance: May 17, 2024
- Deadline for submitting final versions of accepted contributions: May 31, 2024

At least one author of each accepted submission is expected to present their work at the conference. Failure to do so will result in removal of the contribution from the book of abstracts and conference website.

4 Conclusions

Check out the conference webpage <https://dmd2024.web.uah.es> for all the important information.

We hope to see you at the DMD 2024!!

References

- [1] Initial. Authurname, Title of the article, *Name of the journal* **Volume** (Year), Firstpage–Lastpage.
- [2] Initial. Authurname, *Title of the Book*, Name of the series, Volume, Publisher, Publisher's Address, Year.
- [3] Initial. Authurname, Title of the article, in: *Title of the Book*, Name of the series, Volume, Publisher, Publisher's Address, Year, Firstpage–Lastpage.
- [4] Initial. Authurname, Title of the preprint, preprint, Year, [arXiv:0000.0000](https://arxiv.org/abs/0000.0000).
- [5] UNESCO World Heritage Convention, accessed 14 February 2024, <https://whc.unesco.org/en/list/876/>.