# Facet of Mathematics: Group poster

For the Facets of Mathematics poster coursework you will be in a group of up to four students working on a topic from either the Image Processing or the Cubic Curves theme. The objective of the coursework is to produce an informative poster on the topic, and then to present your poster as part of the online poster presentations in week 11.

You should investigate your poster topic, starting with the given project description or starting point references, but also reading around the subject. You should also perform some relevant calculations in Python.

## Guidance

The poster must be produced in LaTeX. You can use the provided file `poster_template.tex` as a starting point.

When making your poster you should consider:

- The *contents* of the poster. Try to organize the material into discrete "blocks", and then arrange these in a logical order on the page. You should include

    - All of your names.
    - A block containing a brief introduction.
    - At least one figure.
    - Some equations.
    - Some results from your own Python calculations.
    - A block containing references.

- The *technical level* of the poster. The target audience for the poster should be your peers – imagine for example another student on the course, but working on a different poster topic. The poster should not be too elementary, but it should also be easily understood by the target audience.

- The *appearance* of the poster. In particular try not to add too much to the poster – use of white space will make the poster easier to read.

## Template

You can use the provided file `poster_template.tex` as a starting point for your poster. This template also contains further technical guidance. To make your poster you can delete the contents of all the blocks in the template, and then add your own.

While you can choose to customize your poster in more detail, it is perfectly acceptable to use the template with only minimal changes to the layout and formatting.

## Use of references

It is important in academic writing to make use of appropriate references. These will typically consist of appropriate textbooks and articles. You may also include references to other materials, such as lecture notes or websites, although more reliable sources are usually preferable.

# Can I use Wikipedia?

Generally references to Wikipedia pages should be avoided – for a good discussion see[1] https://en.wikipedia.org/wiki/Wikipedia:Academic_use. Wikipedia can be a good place to start if you are new to a topic, but it is better to find more reliable sources on the topic if possible.

# Presentation

You should submit a PDF version of your poster, via Learn, by 1600 GMT on Friday week 11. Only one submission per group is needed.

You will be presenting your poster at one of the online poster presentation sessions at 1210–1300 GMT on Thursday or Friday week 11. You will be told on which day your group will be presenting ahead of the sessions. Everyone in your group should attend during your session. Markers will attend and discuss your poster with you – be ready to answer questions!

# Marking

Posters will be marked based on:

- Correctness and depth of study (10 marks)

- Clarity of exposition (5 marks)

- Structure and use of LaTeX (5 marks)

- Presentation of the poster and responses to questions (5 marks)

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[1]Breaking the rule here!