MONASH University
Engineering

Giving a Poster Presentation

In some units, you report an investigation by giving a poster presentation rather than a written technical report or formal oral presentation. This guideline provides helpful advice about devising and presenting posters, with information about:

1. The poster presentation
2. Poster template
3. Good example of poster

1. The poster presentation

Purpose

The **purpose** of a poster is to present a visual display of your investigation. An effective poster combines textual and visual communication in an attractive and informative way.

Features of a good poster

A poster communicates effectively if it:

- quickly orients the audience to the topic of the research by having an informative title and supporting images
- uses clear descriptive section headings - eg motivation or research problem; research aims; method; results; conclusion/ outcomes.
- provides concise information and avoids large blocks of text
- has an appropriate balance of text and graphics
- has a strong visual impact
- has clear logical connections between text and graphics
- has a clear reader pathway
- has effective use of colour.

Giving the presentation

Usually you have to present the information contained in your poster in a short oral presentation. Here you stand beside your poster and speak for 5 – 10 minutes elaborating on the important points that are highlighted in the poster. You use the poster as a prompt for your talk, moving through each section, explaining the key information and providing more detail.

Question and answer

There is a short question and answer session at the end of your presentation. Prepare for this by thinking carefully of possible questions that the audience will ask about your project work, and by then preparing answers.

Other helpful resources

For guidelines on the preparation of posters, samples of posters and ways of evaluating a poster, check http://www.monash.edu.au/lls/llonline/writing/science/8.xml

2. Poster Template

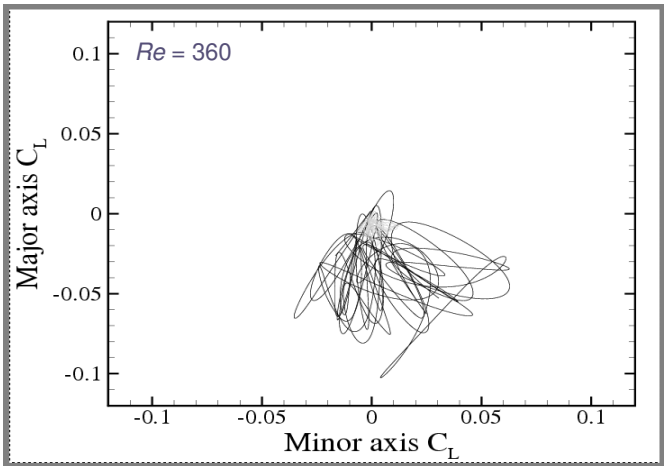
MONASH University Engineering

Here is a Title which is Quite Long, Otherwise Move Authors' Names Up to Fill Gap

A. U. Thor, W. Riter and S. Cribe

Fluids Laboratory for Aeronautical and Industrial Research (FLAIR), Department of Mechanical Engineering, Monash University, VIC 3800, Australia

Headings in blue in size 16 pt font.
Use 14 pt Arial font in these blue boxes for text.



An average example of what should be a nice high-impact/high-visibility attention-drawing figure.

More headings
More text.

3. Good example of poster

This poster shows how important the visual impact of a poster is. The visual information is eye-catching, attractive and informative, and the use of colour is very effective. The visual information in the images and graph supports and enhances the communication of verbal information in the text.

MONASH University Engineering

Accelerated Ray Tracing

Author : A. U. Thor **Supervisor : W. Riter**

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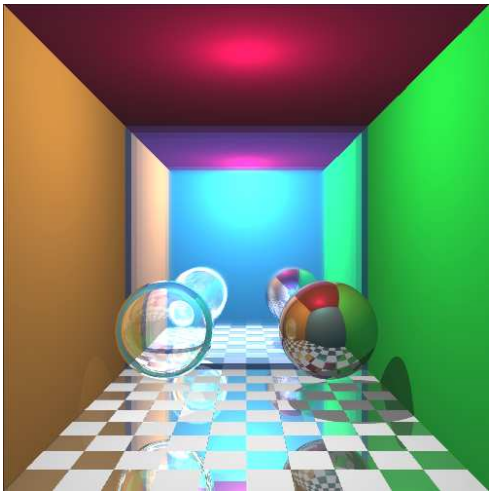


The above image was rendered with the developed ray tracing package

What is Ray Tracing?

Ray tracing is a computer graphics technique for rendering high-quality, photorealistic images ...

This section outlines the background and the problem investigated in this project.

Developing a Ray Tracing Package

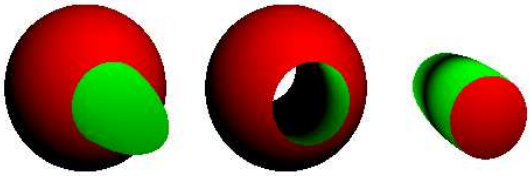
A ray tracing package was developed using the C++ programming language…

This section outlines what was done first in the project.

Constructive Solid Geometry (CSG)

Constructive solid geometry is a technique whereby complex shapes can be created from several primitive objects….
This section describes another technique and how it was integrated into the package.

The images shown below depict rendered objects using CSG.



Acceleration and Hardware Implementation

Programmable graphics hardware or GPU's allow programmers to utilise the powerful vector processing units available on modern graphics cards….

This section describes advanced technology that was used to accelerate the ray tracing process.

The figures below show the rendering time required for the two implementations on a scene containing 50 spheres.