This file is created by XeLaTeX

Date

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Abstract

An abstract should be concise and informative.

URL: http://arxiv.nowhere.in.the.world

This is a TEX file for an A3 poster using beamer.

The beamerposter package is loaded in the following line.

```
\usepackage[orientation=landscape,size=a3,scale=3.2]{beamerposter}
```

landscape specifies a landscape layout; changing it to portrait gives a portrait layout.
The size option allows A0-A4 to be specified, and changing the scale value changes the font size.
If this line is commented out, the document becomes an ordinary slide (128mm×96mm) without the beamerposter package.

Dark mode

The following line activates dark mode. Commenting it out disables dark mode.

```
\darkmodetrue
```

In dark mode, the presentation is intended for projection, with a blackboard-coloured background and white text. Otherwise, it is intended for printing, with a white background and black text.

The content is presented using block environments.

If you would like to use a handwriting-style font, you can load one with XeLaTeX as follows.

```
\usepackage{fontspec}
\newfontfamily\CB{Chalkboard}%font on Mac
\newfontfamily\CD{Chalkduster}%font on Mac
\newfontfamily\CM{Comic Sans MS}
```

Example of a Japanese font setting

```
\usepackage{xeCJK}
\setmainfont{TeX Gyre Termes}
\setCJKmainfont{Hiragino Mincho ProN}% Mac
```

If you want to use a Japanese handwritten font, you may need to install and configure a suitable font first. The fonts shown above may not be available on Windows; Comic Sans MS and TeX Gyre Termes should work. Ask AI if you need help.

Problem

The hard part is often finding the right question.

Motivation

The motivation in a paper need not be the motivation behind the discovery.

Example

Examples are often the first step toward a theory.

Remark

A paper should have a clear idea, not merely correct results.

Definition

Formulating a good definition is not easy, but it is essential for building a sound theory.

Definition

The right definition often reveals the right theorem.

Lemma

This is a key lemma.

Lemma

Lemmas are often more important than theorems.

Main Theorem

A main theorem should have a clear message.

Proof

A good proof should explain, not merely verify.

Example

- Examples do not merely illustrate a theory; they can lead to one.
- A counterexample often reveals the essential hypothesis.

Main Theorem

- The statement below is correct.
- The statement above is incorrect.

One cannot judge oneself accurately.

Proof

Contradiction!

Corollary

One can prove anything from a contradiction!

Many a writer of a mathematical paper seems to be writing primarily to convince himself that his/her theorem is correct, but not as an effort to communicate.

A Primer of Mathematical Writing
by Steven Kunz

Application

The best applications are often unexpected.

Picture

Insert pictures here.
A good picture is worth a thousand words.

Your manuscript is both good and original; but the part that is good is not original, and the part that is original is not good.

attributed to Samuel Johnson

References

[1] Reference A

[2] Reference B