

Introduction

This shell is for use on the Internet. As the name suggests, this style uses mostly blue headings. Documents created with this shell are very easy to read online. The shell was not designed for typesetting, but rather to produce online documents, so the formatting was developed using a .cst file instead of the typesetting specifications. What you see online looks like what you see in the document window, but you will find formatting differences if you typeset the document. For example, sections have no numbers online but carry numbers when you typeset the document. This paragraph is Body Text.

Mathematics in This Shell

In-line and Displayed Mathematics

The expression $\sum_{i=1}^{\infty} a_i$ is in-line mathematics, while the equation

$$\sum_{i=1}^{\infty} a_i \tag{1}$$

is displayed and numbered as equation (1).

Let H be a Hilbert space, C be a closed bounded convex subset of H , T a nonexpansive self map of C . Suppose that as $n \rightarrow \infty$, $a_{n,k} \rightarrow 0$ for each k , and $\gamma_n = \sum_{k=0}^{\infty} (a_{n,k+1} - a_{n,k})^+ \rightarrow 0$. Then for each x in C , $A_n x = \sum_{k=0}^{\infty} a_{n,k} T^k x$ converges weakly to a fixed point of T ..

Spacing

Two sets of LaTeX parameters govern mathematical displays. The spacing above and below a display depends on whether the lines above or below are short or long, as shown in the following examples.

A short line above:

$$x^2 + y^2 = z^2$$

and a short line below.

A long line above may depend on your margins

$$\sin^2\theta + \cos^2\theta = 1$$

as will a long line below. This line is long enough to illustrate the spacing for mathematical displays, regardless of the margins.

Features of This Shell

Heading 2

This is some text.

Heading 3

This is some text.

Heading 4

This is some text.

Heading 5

This is some text.

Text Tags

This is a **body text**. It uses Times New Roman True Type font, 12 points. First line of this tag is indented to the right. Others are not.

This is a body math style. It uses the Times New Roman font, 12 points. Every time when you press [Enter] it switches you to the math mode. Note, the first line of this tag is not indented.

This is a Program Quote text. It uses courier New, 12 points.

This tag is convenient for typing programs. For example:

Program Demo;

var X: Real;

Y: Integer;

BEGIN

X:=3.145;

Y:=176;

writeln('X is a real number',X);

writeln('Y is an integer number ',Y);

END.

Occasionally you may need to distinguish some words from the rest of text. You can use **Bigger** or **Smaller** text. You can indicate the importance of certain text with *Emphasized* or *Strongly Emphasized* text. Also, you can create text with these tags: **Bold**, *italics*, **Courier**, **Typed Code**, and Sans serif.

Lists

- bullet item
- another bullet item
 - nested list
 - ▶ nested again
- 1. Numbered list
- 2. Numbered list line 2
 - a. nested numbered list
 - b. nested numbered list
 - i. level 3 of the list
 - ii. level 3 of the list
 - iii. level 3 of the list

Definition 1 *This is description list. On the left side type your word to be defined, on the right side type a definition of your word. Note, the second line will be intended like here. You can use this tag to make definitions, theorems, examples, etc.*