

Jonathan Lewin VCC Style

This is the shell document for the Jonathan Lewin VCC style for online books. This shell uses the style file **jonathan-vcc-style.cst**. To use this shell document, replace these instructions with the contents of your own document.

If you modify this document and export it as “Jonathan Lewin VCC Style.shl” in the **Shells\Books** folder, if you have *Scientific Notebook*, and in the **Shells\Scientific Notebook** folder, if you have Scientific Workplace, it will become your new Jonathan Lewin VCC Style shell document and will open with your revisions any time this style is selected.

The Purpose of This Style

This style is designed for the creation of books that will be read interactive on the computer screen. One of the features of this style is the choice of body text types that it offers. This paragraph is written in standard body text and any hyperlinks created in this paragraph will be **yellow**.

This paragraph is being written with the Body Text Alt tag. It looks just like body text but hyperlinks in this paragraph will be **green**.

This paragraph is being written with the Body Text Alt tag. It looks just like body text but hyperlinks in this paragraph will be **bluegreen**.

Special Paragraphs

This document style provides several ways of setting parts of the manuscript off from other parts. Font sizes and background colors combine to produce the special look in each of the **Comment** types of paragraph.

This paragraph is being written with the Comment 1 tag with some mathematics $\int_0^1 \sqrt{1-x^2} dx$.

(Shortcut Alt + F1)

This paragraph is being written with the Comment 2 tag with some mathematics $\int_0^1 \sqrt{1-x^2} dx$. (Shortcut Alt + F2)

This paragraph is being written with the Comment 3 tag with some mathematics $\int_0^1 \sqrt{1-x^2} dx$.

(Shortcut Alt + F3)

This paragraph is being written with the Comment 4 tag with some mathematics $\int_0^1 \sqrt{1-x^2} dx$.

This paragraph is being written with the Comment 5 tag with some mathematics $\int_0^1 \sqrt{1-x^2} dx$.

This is Heading 1

(Shortcut F9)

**This is Heading 1 Alt1
(Shortcut Alt + F9)**

**This is Heading 1 Alt1
(Shortcut Ctrl + Alt F9)**

This is Heading 2 (Shortcut F11)

Jonathan Lewin is using the style in this shell document to develop online books that have video content. For an example, go to the [Virtual Calculus Tutor](#) page at Jonathan Lewin's [Math Movies Website](#) (use Ctrl+click to follow the link).

This is Heading 2 Alt 1 (Shortcut Alt + F11)

**This is Heading 2 Alt 2 (Shortcut Ctrl + Alt +
F11)**

This is Heading 3 (Shortcut F12)

To center a paragraph, place the insertion point within the paragraph and choose Centered from the Section/Body Tag popup list on the Tag toolbar.

This is Heading 3 Alt 1 (Shortcut Alt + F12)

To set text off like this, type the text, then choose Long Quotation from the Section/Body Tag popup list on the Tag toolbar.

This is Heading 3 Alt 2 (Shortcut Ctrl + Alt + F12)

This is a Body Math paragraph. Each time you press the Enter key in Body Math, you enter mathematics mode so that you can perform computations without having to switch to mathematics first. This is convenient for carrying out “scratchpad” computations.

This is Heading 5 (Shortcut F8)

You can apply the logical markup tag *Emphasized*, or *Strongly Emphasized*.

This is Heading 5 Alt 1 (Shortcut Alt + F8)

You can apply the visual markup tags **Bold**, *Italics*, **Keyboard Input**, **Sample Text**, and **Typed code**.

This is Heading 5 Alt 2 (Shortcut Ctrl + Alt + F8)

You can apply the size tags Smallest, Small, **Big**, **Bigger**, and **Biggest**.

Mathematics and Text

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 .

The numbered equation

$$u_{tt} - \Delta u + u^5 + u|u|^{p-2} = 0 \text{ in } \mathbf{R}^3 \times [0, \infty[\quad 2.1$$

Numbered equations must be managed manually.

List Environments

You can create numbered, bulleted, and description lists using the Item Tag popup list on the Tag toolbar.

1. List item 1
2. List item 2
 - a. A list item under a list item.

This second paragraph under the same list item was created by typing **Backspace** at the very beginning of the paragraph. character surrounded by parentheses.
 - b. Just another list item under a list item.
 - i. Third level list item under a list item.
 - a. Fourth and final level of list items allowed.
- ◆ Bullet item 1
- ◆ Bullet item 2

- Second level bullet item.
 - Third level bullet item.
 - Fourth (and final) level bullet item.

Style Specific Function Key Assignments

The style assigns function keys to the following tags:

- ◆ **Alt+F1** = Comment 1
- ◆ **Alt+F2** = Comment 2
- ◆ **Alt+F3** = Comment 3
- ◆ **Ctrl+Alt+F5** = Definition Bold
- ◆ **F9** = Heading 1
- ◆ **Alt+F9** = Heading 1 Alt1
- ◆ **Ctrl+Alt+F9** = Heading 1 Alt2
- ◆ **F11** = Heading 2
- ◆ **Alt+F11** = Heading 2 Alt1
- ◆ **Ctrl+Alt+F11** = Heading 2 Alt2
- ◆ **F12** = Heading 3
- ◆ **Alt+F12** = Heading 3 Alt1
- ◆ **Ctrl+Alt+F12** = Heading 3 Alt2
- ◆ **F8** = Heading 5
- ◆ **Alt+F8** = Heading 5 Alt1
- ◆ **Ctrl+Alt+F8** = Heading 5 Alt2