

Title of this Presentation

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# 1 MacKichan Software

MacKichan mathematics software products are based on an easy-to-use but powerful mathematical word processor. All provide reading, browsing, and printing of .tex files.

## 1.1 Enhanced Mathematics

MacKichan software products enhance the production of beautiful typeset mathematics.

### 1.1.1 Products Suited to Your Needs

Choose the product features that meet your needs:

- (1) Create mathematical documents
- (2) Typeset your documents
- (3) Compute symbolically and numerically
- (4) Publish on the web
- (5) Develop a mathematical website
- (6) Write exams and course materials

## 2 Mathematics in This Shell

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = 2$$

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  $T$ .

### 3 Tags

You can apply these tags:

- *Emphasized*

- **Bold**

- *Italics*

- Roman

- Sans Serif

- Typewriter

You can apply the special, mathematics only, tags

- BLACKBOARD BOLD

- *CALLIGRAPHIC*

- *fraktur*.

Note that blackboard bold and calligraphic are correct only when applied to uppercase letters A through Z.