

QCA Workbook Style

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1 Sample Mathematics and Text

1.1 In-line and Displayed Mathematics

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

$$\sum_{i=1}^{\infty} a_i \quad (1)$$

is displayed and automatically numbered as equation 1.

Let H be a Hilbert space, C be a closed bounded convex subset of H , T a non-expansive 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 T .

2 Section Headings

This is some text.

2.1 Subsection Heading

This is some text.

2.1.1 Subsubsection Heading

This is some text.

3 Tags

You can apply the logical markup tag
Emphasized.

You can apply the visual markup tags **Bold**,

Italics, Roman, **Sans Serif**, Slanted, Small Caps, and Typewriter.

You can apply the special, mathematics only, tags `BLACKBOARD BOLD`, `CALLIGRAPHIC`, and `fraktur`. Note that blackboard bold and calligraphic are correct only when applied to uppercase letters A through Z.

You can apply the size tags `tiny`, `scriptsize`, `footnotesize`, `small`, `normalsize`, `large`, `Large`, `LARGE`, `huge` and **Huge**.

4 Lists

Bullet, numbered and description list environments are available. Lists, which can extend four levels deep, look like this:

- (1) Numbered list item 1
 - (a) Second level list item.
 - (i) Third level list item.

(A) Fourth level list item.

- Bullet item 1
 - Second level bullet item.
 - * Third level bullet item.
 - Fourth level bullet item.

References

- [1] N. Dunford and J. Schwartz, *Functional Analysis*, v. 2, John Wiley and Sons, New York, 1963.
- [2] Harstad, K. and Bellan, J., “Isolated fluid oxygen drop behavior in fluid hydrogen at rocket chamber pressures”, *Int. J. Heat Mass Transfer*, 1998a, **41**, 3537-3550
- [3] Harstad, K. and Bellan, J., “The Lewis number under supercritical conditions”, *Int. J. Heat Mass Transfer*, in print