

Title:

Template demonstrating the quantumview document class

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<h2>Introduction</h2>

Quantum Views is Quantum's venue for perspectives, views, editorials and other opinion pieces. The publishing process is different from that of regular articles in Quantum because Views are published as `HTML only`, and need not be uploaded to the arXiv.

Quantum provides the `quantumview documentclass` to enable authors of Views to use their common LaTeX environment to prepare their contributions. The editors at Quantum can then generate the HTML output by supplying the `<tt>html</tt>` option.

<h2>Supported Formatting Options</h2>

The `documentclass` natively supports the following operations:

`
Text formatting` The following text formats are supported:
`emphasis`, `<i>italic</i>`, `bold`, `<tt>typewriter</tt>`,
`^{superscript}` and `_{subscript}`.

`
Sectioning` Sectioning - if needed - can be performed using the regular `<tt>\section</tt>`, `<tt>\subsection</tt>`, `<tt>\subsubsection</tt>` and `<tt>\paragraph</tt>` commands. These will be converted to HTML header tags and therefore not show section numbers in the final HTML.

`
Citations and Bibliography` You can cite references using the regular `<tt>\cite</tt>` command. For example, here is some text citing a textbook `\cite{NielsenChuang2000}`, a journal article `\cite{Preskill2018}`, a newer preprint `\cite{SchwarzahnsLockErkerFriisHuber2020}` and a journal article whose preprint has an arXiv identifier in old format `\cite{AcinBrussL`

Please see `quantumview-template.bib` for an example of how to provide bibliographic information to BibLaTeX in a way that yields a suitable bibliography with DOI links. In both Quantum and Quantum Views all citations to cited works that have a DOI must include a hyperlink

to the DOI of the work.

Formulas You are free to use inline math \mathcal{Z}

- $\pi = \nabla \Gamma$ and both the `equation`

`\begin{equation}`

$$\int_0^1 \mathrm{d}x \, , \, |\psi(x)\rangle \langle \psi(x)| = \hat{0}^2$$

`\end{equation}`

and `align` environment

`\begin{align}`

$$\oint_C \mathcal{Z}^2.$$

`\end{align}`

As formulas are directly rendered on the webpage, *you can not use custom commands and libraries*. If you are unsure whether or not the command you want to use is supported, please consult the MathJax documentation. You should thus refrain from using the `\label` and `\ref` commands.

Lists You are free to use both `itemize` for unordered lists,

``

`Item 1 lorem ipsum`

`Item 2`

``

and `enumerate` for ordered lists:

``

`Item 1`

`Item 2`

``

Note that further modifiers, *e.g.* for roman numbering and additional packages like `enumerate` are not supported.

Copy-Editing Tools

The quantumview document class also provides commands that are useful in copy-editing. These are `\corr` for ~~correctons~~corrections and `\ins` for ~~for~~ insertions.
