

5 Titles are Fully Captitalized

Your Name

Your Institute

Your Address

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1 Instructions

- to obtain a book with coherent look, please do not change the style file for an idea how the chapters should look like, you can check the previous year's manuscripts at <http://www.cond-mat.de/events/correl.html>
 - your contribution should have about 30 pages
 - the lecture notes should only have you, the lecturer, as author
 - the entries for `\TheChapter` will be put in by us when the book is assembled
 - the table of contents must fit on the title page, the introduction starts on the second page. Thus, the number of sections should not be too large
 - pages will be reduced, so please make sure that your plots have sufficiently wide lines, e.g. `gnuplot> set term post enh 'Helvetica' 21 linewidth 2`
 - the book will contain an index. You should mark about 20 important concepts in your text, which will be collected in the index. Please, use only lower-case in index-entries, except for names.
 - To see the index entries for the file `example.tex` run the commands `latex example` and `makeindex example`. After running `latex` again, the index appears as on a separate page at the end of the manuscript
 - please keep the number of references at a reasonable level for a lecture. If you use `bibtex` (discouraged), use `correl.bst` and include the `.bbl` in the submitted `.tex` file.
 - please send us all your files (`.tex` and figures) needed to produce the manuscript, including a postscript or pdf version.
- The deadline is 1 July!**

2 Sections are not capitalized

Do not forget to mark entries for the index of the book. Only put references to pages where the mentioned concept is actually discussed. If you have several related concepts, you can arrange index entries hierarchically:

```
\index{correlation}
\index{correlation!electronic}
\index{correlation!effects}
```

Equations:

$$G^{-1} = G_0^{-1} - \Sigma \quad (1)$$

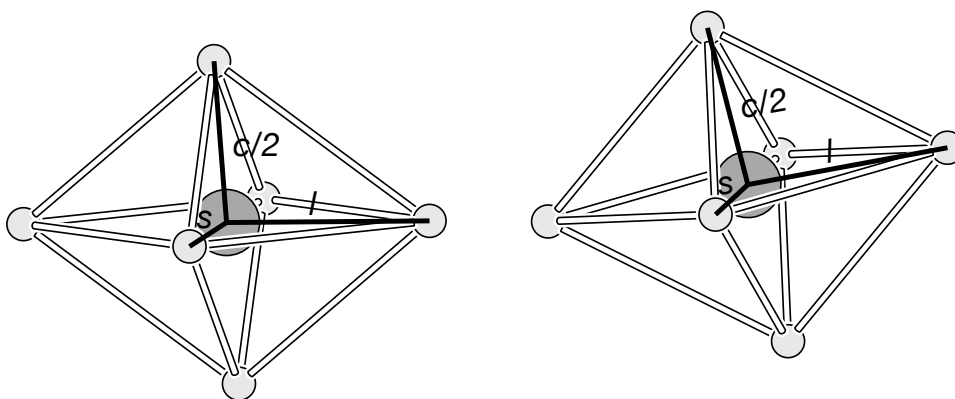


Fig. 1: *Put labels after caption.*

Avoid line-breaks in references like Fig. 1 by using a tilde. The same works for tables, Tab. 1, equations, Eq. (1), and for values with units, e.g., 10 eV. Note that units should be set in roman, so write $T = 10 \text{ K}$, not $T = 10K$.

References: [2–4].

Write materials as LaMnO_3 and talk about $3d$ -orbitals or the Mn e_g -orbital.

Appendices

A Some remarks

The appendix part should be deleted if no appendices are necessary.

References

- [1] Please use the style below for the bibliography.
You can also introduce linebreaks to avoid that a reference splits over two lines.
- [2] P.M.A. Dirac, Proc. Roy. Soc. **A 123**, 714 (1929)
- [3] Patrik Fazekas: *Lecture Notes on Electron Correlation and Magnetism*
(World Scientific, Singapore, 1999)
- [4] E. Pavarini, E. Koch, F. Anders, and M. Jarrel (Eds.): *From Models to Materials*,
Reihe Modeling and Simulation, Vol. 2 (Forschungszentrum Jülich, 2012)
<http://www.cond-mat.de/events/correl12>

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