

# Simulation of the Ising model

## Complex Systems Simulations Project 1

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## 1 Introduction

I can easily cite a website [1], or any articles [2], see the bibliographic records in `sample.bib`. The records in `sample.bib` were downloaded automatically using a referencer, it would be hard to type them in by hand! Url references need sometimes hand-editing, though.

We recommend using EndNote or Mendeley, where you can export bibliographic records into the BibTeX format.

If there is a reference that you would not like to cite in the text, but would like to include in the bibliography, use the `nocite` command.

## 2 Materials and Methods

Here comes the theoretical background and the algorithms, ideas you used. Take a look at Fig 2, where a nice caption and a cross-reference is used.

## 3 Results and discussion

What to do if I'd like to include Table 3?

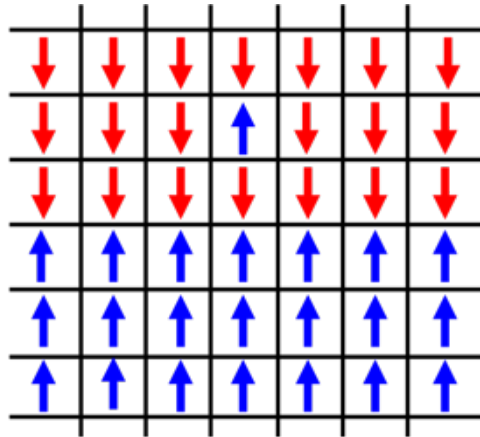


Figure 1: **Schematic view of the Ising model.** Ising model schematic figure on a rectangular grid; blue arrows represent +1, red arrows represent -1 spins.

Color	Meaning
blue	+1
red	-1

Table 1: Summary of color codings.

3.1 This is a subsection

3.2 This is another subsection

4 Conclusion

## References

- [1] Dave Leip. Dave Leip U.S. Presidential General County Election Results. <http://dx.doi.org/10.7910/DVN/SUCQ52>.
- [2] Alejandro Llorente, Manuel Garcia-Herranz, Manuel Cebrian, and Esteban Moro. Social Media Fingerprints of Unemployment. *PLOS ONE*, 10(5):e0128692, may 2015.