

# Introduction to the Ising model and why physicists care about it

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## **Abstract:**

The Ising model is a simple mathematical model which exhibits complex behaviour and has been studied by theoretical physicists and mathematicians over decades.

I want to give a brief overview about its construction, its properties and how it is typically studied and investigated. I will shortly introduce what I did during my Master's thesis about non-reciprocal Ising models and introduce analytical approaches how to study the nature of such models.