



# The Beautiful Invisible: Creativity, imagination, and theoretical physics

*Giovanni Vignale*

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## **The Beautiful Invisible: Creativity, imagination, and theoretical physics** Giovanni Vignale

The realm of theoretical physics is teeming with abstract and beautiful concepts. And the task of imagining them is one that demands profound creativity, argues Giovanni Vignale. Explaining them is curiously akin to the craft of poets, or magical realist novelists such as Borges, and Musil, or Bulgakov's *The Master and Margarita*.

In this unusual and sometimes poetic book, Vignale presents his own unorthodox accounts of fundamental theoretical concepts such as Newtonian mechanics, superconductivity, and Einstein's theory of relativity, showing that what may seem at first quite simple in fact turns out to be much more profound. As we delve behind now-familiar metaphors such as 'electron spin' and 'black hole', the world that we take for granted melts away, leaving a glimpse of something much stranger.

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