

# Tools for supersymmetry<sup>1</sup>

Antoine Van Proeyen<sup>2</sup>

*Instituut voor theoretische fysica  
Universiteit Leuven, B-3001 Leuven, Belgium*

## ABSTRACT

This is an elementary introduction to basic tools of supersymmetry: the spacetime symmetries, gauge theory and its application in gravity, spinors and superalgebras. Special attention is devoted to conformal and anti-de Sitter algebras.

---

<sup>1</sup> Lectures in the spring school *QFT, Supersymmetry and Superstrings*, in Călimănești, Romania, April 1998.

<sup>2</sup> Onderzoeksdirecteur FWO, Belgium; E-mail: [Antoine.VanProeyen@fys.kuleuven.ac.be](mailto:Antoine.VanProeyen@fys.kuleuven.ac.be)