Group theory, Topology and Spin-1/2 **Particles**

From Dirac's belt to fermions

Louan Mol

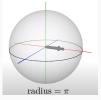
Unversité Libre de Bruxelles

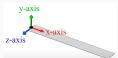
Brussels Summer School of Mathematics 2022

Table of contents

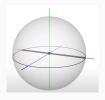
- 1. Dirac's belt trick and rotations
- 2. Section 2
- 3. Section 3
- 4. Section 4
- 5. Section 5

Intro

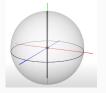




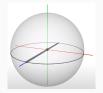




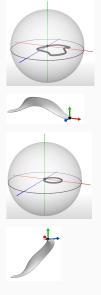


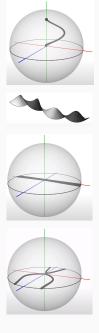


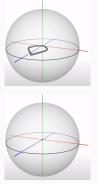












Blocks

Three different block environments are pre-defined and may be styled with an optional background color.

Some text.

Default

Block content.

Alert

Block content.

Example

Block content.

aaaaa

Backup slides

Sometimes, it is useful to add slides at the end of your presentation to refer to during audience questions.

The best way to do this is to include the appendixnumberbeamer package in your preamble and call \appendix before your backup slides.

metropolis will automatically turn off slide numbering and progress bars for slides in the appendix. [1]

References i



R. Graham, D. Knuth, and O. Patashnik. **Concrete mathematics.**

Addison-Wesley, Reading, MA, 1989.