

# A First Course in Loop Quantum Gravity, R. Gambini and J. Pullin (Oxford University Press): Errata

Harold Erbin<sup>\*1</sup>

<sup>1</sup>CNRS, LPTENS, École Normale Supérieure, F-75231 Paris, France

26th January 2017

These errata have not been reviewed by the author nor the editor and I may have made some mistakes. Colors red and blue are respectively used to highlight the error and its correction (if necessary).

09/07/2014

- p. 12 (before last §):  $\gamma = \sqrt{1 - v^2/c^2} \rightarrow \gamma = 1/\sqrt{1 - v^2/c^2}$
- p. 45 (eq. 3.35):  $\sqrt{\det q} \rightarrow \sqrt{\det q}$
- p. 76 (eq. 6.14):  $(\nabla\phi)^2, + m^2\phi^2 \rightarrow (\nabla\phi)^2 + m^2\phi^2$
- p. 96 (§1):  $C(N) \rightarrow C(\vec{N})$
- p. 161 (.): "culd occur at energies"  $\rightarrow$  could

26/01/2017

- p. 16 §2: "Since  $d\tau^2 = \eta_{\mu\nu}dx^\mu dx^\nu$  we immediately see"  $\rightarrow d\tau^2 = -\eta_{\mu\nu}dx^\mu dx^\nu$  (thanks to Aishwariya)

---

<sup>\*</sup>[erbin@lpthe.jussieu.fr](mailto:erbin@lpthe.jussieu.fr)