

F. J. Duarte, *Fundamentals of Quantum Entanglement* 2nd edn (Institute of Physics, Bristol, 2022)

Corrigenda

Introduction

This is a list of corrections to the 2nd edition of *Fundamentals of Quantum Entanglement*.

F. J. Duarte

22.8 Quantum mathematics with polarization rotators

Page 22-7, equation (22.77) should read as

$$R|\psi\rangle^+ = |\psi\rangle_+ = 2^{-1/2}\sigma_x$$

25.4 Quantum entanglement and Pauli matrices

Page 25-5, equation (25.35) should read as

$$R|\psi\rangle^+ = |\psi\rangle_+ = 2^{-1/2}\sigma_x$$

Page 25-5, equation (25.38) should read as

$$R|\psi\rangle_- = -|\psi\rangle^- = -2^{-1/2}\sigma_z$$

E.6 Tensor product

In the third column and third row of the 4×4 matrix given in equation (E.92): w_{12} should be replaced by w_{11} .