

Errata in the first printing of *Quantum information: An overview*.

In the sentence including Eq. 6.66, the phrase “the eigenvalues of” was omitted between “. . . the square roots of” and “the matrix. . .”.

Eq. 6.68. A subscript “1” should appear on the argument,  $C$ , of the function  $h$ ; the phrase “where  $C_1(\rho_{AB}) = (1/2)(1 + \sqrt{1 - C^2(\rho_{AB})})$  and” should also appear immediately after the equation. (However, this doesn’t affect the monotonicity of  $E_f$  in  $C(\rho_{AB})$ .)

Eq. 7.43. A term has been left out. The equation should instead be

$$|\Psi_3\rangle = \lambda_0|000\rangle + \lambda_1 e^{i\theta}|100\rangle + \lambda_2|101\rangle + \lambda_3|110\rangle + \lambda_4|111\rangle . \quad (1)$$

[*cf.* Ref. 4, Eq. 10; many thanks to Michael Duff for pointing out this error]

Eq. 9.46. The second and third signs of the four-state-vector superposition in the second line should be minuses rather than pluses. (This typographical error is not of great importance because the state as printed is equally useful and can be similarly produced: only the correlations are significant; they do not depend on the value of the phase angles in the superposition.)