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"p." = page
"pr." = problem
"eq." = equation
"ch." = chapter

Misprints

p. xii, pr. 2.2.8: “Schr¨ o-dinger” should read “Schr¨ odinger”;

p. 4, eq. 1.6: \( \begin{pmatrix} 1 \\ 0 \end{pmatrix} \) should read \( \begin{pmatrix} 0 \\ 1 \end{pmatrix} \);

p. 5, just above “— Solution for the unknown”: \( \begin{pmatrix} 0 \\ 1 \end{pmatrix} \) should read \( \begin{pmatrix} 1 \\ 0 \end{pmatrix} \);

p. 8, eq. 1.9: \( \ldots + \frac{1}{2} x^2 + \ldots \) should read \( \ldots + \frac{1}{2} x^2 \psi(x) + \ldots \);

p. 8, just above “Imagine that . . . ”: 3.74 should read 2.74

p. 9, eq. 1.10: \( \ldots + \frac{m \omega^2}{2} x^2 = \ldots \) should read \( \ldots + \frac{m \omega^2}{2} x^2 \psi(x) = \ldots \)

p. 95, pr. 5.2.2: \( E_n^{(1)} = \langle \psi_n^{(0)} | \hat{V} | \psi_n^{(0)} \rangle \) should read \( E_{n.g.s.}^{(1)} = \langle \psi_{n.g.s.}^{(0)} | \hat{V} | \psi_{n.g.s.}^{(0)} \rangle \);

p. 126, first line: \( \lambda = 0 \) should read \( \lambda = 1 \);

p. 129, eq. 9.2: \( N \) should read \( \mathcal{N} \);

p. 129, eq. 9.3: \( d^3r \) should read \( d^3\vec{r} \);

Acknowledgments

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