

*Dogma of the Continuum and the Calculus of Finite Differences  
in Quantum Physics*

Coauthor Beate Meffert, Humboldt-Universität, Berlin. In the series “Advances in Imaging and Electron Physics” (P.W.Hawkes, editor), vol. 137. Elsevier/Academic Press, Amsterdam 2005.

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| page | para | line |  |
|------|------|------|--|
| XXIV | 12   |      | Z (Euler Roman Medium Z); p. 211, Eq.(1)   |
| 4    |      |      | text following Eq.(23): replace $\mathbf{H}(\zeta, \theta)$ , $\mathbf{E}(\zeta, \theta)$ by $\mathbf{H}$ , $\mathbf{E}$   |
| 23   | 2    | 1    | ... $x \rightarrow y \rightarrow z \rightarrow x$ and $x \rightarrow z \rightarrow y \rightarrow x$ in ...   |
| 60   |      |      | Eq.(37), first line: $\mathbf{A}_{00} + \alpha \mathbf{A}_{e1}(\mathbf{r}, t)$   |
| 82   |      |      | Eq.(18), last line: $d(\kappa) = \lambda_1 \lambda_3 N \dots$  |
| 83   |      |      | Eq.(25): $-2\pi i \kappa q_\kappa \doteq +\dot{q}_\kappa$  |
| 87   |      |      | Eq.(4): lower summation index $n = 0$ not $\kappa = 0$   |
| 91   |      |      | footnote: ... by Eqs.(2.5-20) and (2.5-22) for ...   |
| 116  |      |      | second line after Eq.(11): Eq.(6.3-23).  |
| 125  |      |      | replace the first = by $\rightarrow$ in Eqs.(9)-(12) and (16), (17)  |
| 131  |      |      | Eq.(50): replace $=\gg$ by $\gg$   |
| 165  |      |      | Eq.(9), last line: see Eqs.(4.2-5) and (4.2-6)   |
| 170  |      |      | line following Eq.(43): Table 4.4-1 uses ...   |
| 190  |      |      | Eq.(6), first line: $(1 - v^2/c^2)^{1/2}$ not $(1 - v^3/c^2)^{1/2}$  |
| 197  |      |      | Eq.(50), first line: $-\mathcal{L}_{cr5}$ not $\mathcal{L}_{cr5}$  |
| 199  | 1    | 1    | For the quantization of Eq.(6) ...   |
| 206  |      |      | Eq.(18): ... $+ [E - e\phi_e(\rho)]^2 / (\Delta t/\hbar)^2 = 0$  |
| 214  |      |      | Fig.5.5-1, last line: ... by $s_2$ and ...   |
| 252  |      |      | Eq.(18): $u_{P1}(\rho)$  |
| 262  | 1    | 2    | Eqs.(1.2-1), (1.2-3), (1.2-4), ...   |
| 270  |      |      | Eq.(19) is missing. See Eq.(6.4-7), leave out the tilde $\tilde{\cdot}$ .  |
| 288  |      |      | Section 6.6 contains several typographical errors that were corrected in <i>Dirac's Difference Equation and the Physics of Finite Differences</i> , H.F.Harmuth, B.Meffert; Elsevier, Amsterdam 2008, Section 6.7. The equations for $s_2$ , $s_3$ , $s_4$ , $s_5$ , and $p$ remain unchanged. |

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