

*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.

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 \Rightarrow 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): ... $+[\mathbf{E} - e\phi_e(\rho)]^2 / (\Delta t/\hbar)^2 = 0$
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 \sim .
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.