

Diagrammatics: Errata

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Since the publication of “Diagrammatics” by World Scientific a number of technical misprints were discovered in the text. Below we present (obviously incomplete!) list of appropriate corrections:

- p. 5, Eqs. (1.10), (1.11) – delete index λ in the exponents.
- p. 7, Eq. (1.24) – interchange $\mathbf{r}t$ and $\mathbf{r}'t'$ in the r.h.s.
- p. 9, Eq. (1.32) – move $G_{reg}(\mathbf{p}\varepsilon)$ outside brackets in the first line.
- p. 46, Eq. (2.122), first line. First occurrence of $|\mathbf{p}_2|$ should be replaced by $|\mathbf{p}_3|$.
- p. 123, Eqs. (4.86), (4.88). \mathbf{p}'_- first occurring in the arguments of Green’s functions should be replaced by \mathbf{p}'_+ .
- p. 130, Eqs. (4.123), (4.124). \mathbf{p}'_- first occurring in the arguments of Green’s functions should be replaced by \mathbf{p}'_+ .
- p. 136, Fig. 4.18. Direction of arrows on the lower line of “ladder” diagrams should be reversed.
- p. 295, Eq. (6.223) should read:

$$G_k(\varepsilon_n, \xi_p) = \{i\varepsilon_n - (-1)^k \xi_p + ikv_F \kappa - \Delta^2 v(k+1)G_{k+1}(\varepsilon_n, \xi_p)\}^{-1}$$

- p. 336, Eq. (A.7) should read:

$$G(p_0, p) \approx \frac{ip_0 + \xi_p}{\Delta^2} \ln \left(\gamma \frac{p_0^2 + \xi_p^2}{\Delta^2} \right) \equiv \frac{Z(p_0, \xi_p)}{ip_0 - \xi_p}$$