IOPscience iopscience.iop.org

Home Search Collections Journals About Contact us My IOPscience

The structure of the anomalies of gauge theories in the causal approach

This article has been downloaded from IOPscience. Please scroll down to see the full text article.

2002 J. Phys. A: Math. Gen. 35 3803

(http://iopscience.iop.org/0305-4470/35/16/501)

View the table of contents for this issue, or go to the journal homepage for more

Download details:
IP Address: 171.66.16.106
The article was downloaded on 02/06/2010 at 10:02

Please note that terms and conditions apply.

INSTITUTE OF PHYSICS PUBLISHING JOURNAL OF PHYSICS A: MATHEMATICAL AND GENERAL

J. Phys. A: Math. Gen. **35** (2002) 3803 www.iop.org/Journals/ja PII: S0305-4470(02)34992-8

Corrigendum

The structure of the anomalies of gauge theories in the causal approach
D R Grigore 2002 *J. Phys. A: Math. Gen.* **35** 1665–1689

(1) Formula (4.53) on page 1684 should read as follows:

$$d_Q W_1 = -\mathrm{i}\partial_\mu W_2^\mu \qquad d_Q W_2^\mu = 0. \tag{4.53}$$

(2) Formula (4.55) on page 1684 should read as follows:

$$\begin{aligned} &c_{abcd} = -(c \leftrightarrow d) = -(a \leftrightarrow b) \\ &c_{ab;AB} = -(a \leftrightarrow b) \qquad c'_{ab;AB} = -(a \leftrightarrow b) \\ &c_{abcd} = 0 \qquad m_c + m_d > 0 \\ &c_{abc} = 0 \qquad m_a + m_b + m_c > 0 \\ &c_{abc} = -(a \leftrightarrow b). \end{aligned} \tag{4.55}$$

(3) Formula (4.57) on page 1685 should read as follows:

$$\begin{aligned} &g_{abc} = 0 \qquad m_a + m_b + m_c > 0 \\ &g_{abcd} = 0 \qquad m_a + m_b + m_c + m_d > 0 \\ &d_{a;AB} = 0 \qquad d'_{a;AB} = 0 \qquad m_a > 0. \end{aligned} \tag{4.57}$$

(4) The sentence on lines 12 and 13 of the Introduction on page 1665 is correct in the online version but, due to an unforeseen software conversion error, the word 'translate' was rendered incorrectly in the printed edition. It should read as:

If one considers the S-matrix as a perturbative expansion in the coupling constant of the theory, one can translate these axioms on the chronological products.

0305-4470/02/163803+01$30.00 © 2002 IOP Publishing Ltd Printed in the UK