

A consequence of (10) is the formula

$$\frac{1}{2} [(1 \pm \gamma_5) \gamma_\mu]_{ij} Q_{jk} [(1 \mp \gamma_5) \gamma_\mu]_{ki} = (1 \pm \gamma_5)_{ii} (1 \mp \gamma_5)_{kk} Q_{jk} = (1 \pm \gamma_5)_{ii} \text{Tr} [(1 \mp \gamma_5) Q] \quad (11)$$

(here,  $Q$  is an arbitrary  $4 \times 4$  matrix).

In addition, we have (see [2])

$$\gamma_\mu \hat{a}_1 \dots \hat{a}_{2n-1} \hat{a}_{2n} \gamma_\mu = 2 (\hat{a}_{2n} \hat{a}_1 \dots \hat{a}_{2n-1} + \hat{a}_{2n-1} \dots \hat{a}_1 \hat{a}_{2n}) \quad (12)$$

(here,  $a_1, \dots, a_{2n}$  are arbitrary 4-vectors). Now suppose that in (11)

$$Q = \hat{a}_2 \dots \hat{a}_{2n} \hat{a}_1.$$

With allowance for (11) and (12), we have

$$\begin{aligned} \frac{1}{2} (1 \pm \gamma_5) \gamma_\mu \hat{a}_2 \dots \hat{a}_{2n} \hat{a}_1 (1 \mp \gamma_5) \gamma_\mu &= (1 \pm \gamma_5) \text{Tr} [(1 \mp \gamma_5) \hat{a}_2 \dots \hat{a}_{2n} \hat{a}_1] \\ &= (1 \pm \gamma_5) \text{Tr} [(1 \pm \gamma_5) \hat{a}_1 \dots \hat{a}_{2n}] = (1 \pm \gamma_5) \gamma_\mu \hat{a}_2 \dots \hat{a}_{2n} \hat{a}_1 \gamma_\mu = 2(1 \pm \gamma_5) (\hat{a}_1 \dots \hat{a}_{2n} + \hat{a}_{2n} \dots \hat{a}_1). \end{aligned} \quad (13)$$

Thus

$$(1 \pm \gamma_5) (\hat{a}_1 \dots \hat{a}_{2n} + \hat{a}_{2n} \dots \hat{a}_1) = \frac{1}{2} (1 \pm \gamma_5) \text{Tr} [(1 \pm \gamma_5) \hat{a}_1 \dots \hat{a}_{2n}] \quad (14)$$

for all 4-vectors  $a_1, \dots, a_{2n}$ .

The expression (9) is a direct consequence of (14). Note that the expressions (9) and (14) generalize the corresponding expressions obtained in [3,4].

#### REFERENCES

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#### ERRATUM

**Corrigendum** to Vol. 99, No. 3, June, 1994 of *Teoreticheskaya i Matematicheskaya Fizika*.

In the table of contents of Vol. 99, No. 3, June, 1994 the article by F. Pempinelli entitled "Soliton Solutions of the Hamiltonian DSI and DSIII Equations," pp. 755-760 was inadvertently omitted. The publisher apologizes to the author for this error.

**Corrigendum** to Vol. 100, No. 2, August 1994 of *Teoreticheskaya i Matematicheskaya Fizika*.

In the paper of V. P. Gurarii and V. I. Matsaev, the authors made a mistake. In the main expression (23),  $dt$  must be replaced by  $t^A dt$ .