

Corrigenda

In eq. (13.18) insert $\sum_{j,k}$.

After eq. (18.14) 'which is identical to the continuity of μH_x ' instead of 'which is identical to the continuity of H_x '

In eq. (28.25) insert \sum_i .

The headline 30.c reads now only 'Magnetostatics'

The paragraph after (30.1) has been altered.

After eq. (14.6) 'that (14.2) is fulfilled' instead of 'that (14.6) is fulfilled'

In eq. (18.25) Add an exponent 2 to $|\frac{n+ik-1}{n+ik+1}|$.

After eq. (19.16) a more explicit explanation of the boundary condition is given.

At eqs. (23.6) and (23.7) the notation 'contravariant components' introduced. At eq. (23.8) the notation 'covariant component' introduced.

In eq. (24.33) at the limits of the integral $\epsilon f'(t_i)$ instead of $\epsilon/f'(t_i)$.

After eq. (25.15): 'an invariant pseudo-tensor of fourth order' instead of 'a pseudo-scalar'

After eq. (28.16): 'four-vector' instead of 'four-scalar'

On the right-hand side of eq. (28.20) add a factor $1/c$.

In eq. (27.3) a minus-sign has to appear in front of $\frac{\partial \mathcal{L}}{\partial \dot{x}_\alpha}$.

As an explanation the line

$$= -mc^2 \sqrt{1 + \frac{\dot{x}^\alpha \dot{x}_\alpha}{c^2}} - \frac{q}{c} A^\mu(x) \dot{x}_\mu$$

is added to eq. (27.1).

Two paragraphs in section 31.a have been changed since one should not introduce a velocity dependent mass.