

ADDENDUM

S. Theisen, Fourth order supergravity, Nucl. Phys. B263 (1986) 687.

The following note and additional references should be added after the acknowledgements:

Some of the results presented here have previously been obtained by the use of the supersymmetric tensor calculus and the Noether method. The super-Gauss-Bonnet theorem was in addition to ref. [13] also treated in refs. [16] and [17]. In [17] the proof for the bosonic part was given explicitly. The kinetic energy terms of the lagrangian were also derived in ref. [18].

I wish to thank S. Ferrara for pointing out these references to me.

References

- [16] S. Ferrara and B. Zumino, Nucl. Phys. B134 (1978) 301
- [17] P.K. Townsend and P. van Nieuwenhuizen, Phys. Rev. D19 (1979) 3592
- [18] S. Ferrara, M.T. Grisaru and P. van Nieuwenhuizen, Nucl. Phys. B138 (1978) 430

ERRATA

S. Coleman, Q-Balls, Nucl. Phys. B262 (1985) 263.

There are some typographical errors in the published text:

Eq. (2.10) should read

$$R - r = \int_{\phi}^{\phi} d\phi / \sqrt{2\hat{U}} .$$

Eq. (2.18) should read

$$E_{\text{volume}} = \frac{4}{3}\pi R^3 \phi_0^2 \omega_0^2 = \frac{8}{3}\pi R^3 U_0 .$$

The statement of theorem 2, on page 271, should begin, “If U is acceptable, there exists $Q_{\min} \geq 0 \dots$ ”