

Self-similar and charged radiating spheres: an anisotropic approach

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Published online: 8 February 2007
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Erratum to: Gen Relativ Gravit 39:23–29 DOI 10.1007/s10714-006-0365-3

Unfortunately, several errors occurred in the published version of this article.

- The affiliation of the corresponding author W. Barreto was incorrect. The correct information is given below.
- In the 3rd paragraph on p. 25 a wrong citation [35–41] was given. The complete paragraph with the correct citation is printed below:

Few exact solutions to the Einstein–Maxwell equations are relevant to gravitational collapse. For this reason, new collapse solutions are very useful, even if they are simplified ones [31]. It is well known that the field equations admit

The online version of the original article can be found at
<http://dx.doi.org/10.1007/s10714-006-0365-3>.

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homothetic motion [32–34]. Applications of self-similarity range from modeling black holes to producing counterexamples to the cosmic censorship conjecture [35–46]. It is well established that in the critical gravitational collapse of a scalar field the space–time can be self-similar [47–49]. We can expect on physical grounds that this scenario remains similar for charged matter [50].

- In the reference list there were errors in reference nos. 1, 20, 21 and 60. The corrected references are printed below:

References

1. Ray, S., Espindola, A.L., Malheiro, M., Lemos, J.P.S., Zanchin, V.T.: *Phys. Rev. D* **68**, 084004 (2003)
20. Barreto, W., Rojas, S.: *Astrophys. Space Science* **193**, 201 (1992)
21. Barreto, W.: *Astrophys. Space Science* **201**, 191 (1993)
60. Herrera, L., Ponde de León, J.: *J. Math. Phys.* **26**, 2302 (1985)