ERRATUM

P. van Baal and F.A. Bais, Lightlike singularities in compactified supergravity, Phys. Lett. 133B (1983) 295.

We found a calculational mistake which affects the conclusions of the paper in an essential way. The following equations should replace the corresponding ones in the published version of the paper:

$$\bar{r} = (2 - 7\rho)(\beta/\alpha)^{1/2} \int (A/B)^{1/2} dr = r^{2 - 7\rho} ,$$

$$t = (\beta/\alpha)^{1/2} (2 - 7\rho)t , \qquad (17)$$

$$\mathrm{d}s^2 = \left[\alpha\beta/\beta(2-7\rho)\right] \left(\mathrm{d}\overline{t}^2 - \mathrm{d}\overline{r}^2\right), \qquad (18)$$

$$d\bar{s}^{2} = r^{b}(d\bar{t}^{2} - d\bar{r}^{2}), \quad \bar{r} = r^{2-7\rho}, \quad (19)$$

$$\mathrm{d}\bar{s}^{\,2} = r^b \,\exp(2\,\bar{T}r^{2-7\rho})\,\mathrm{d}\bar{v}\,\,\mathrm{d}\bar{w}\,\,. \tag{20}$$

The text following eq. (20) up to the bottom line of page 297 should be replaced by: Alternatively one may think in terms of new timelike

Alternatively one may think in terms of new timelike and spacelike coordinates $\overline{\tau} = \frac{1}{2}(\overline{v} + \overline{w})$ and $\overline{x} = \frac{1}{2}(\overline{v} - \overline{w})$ where $d\overline{v} \ d\overline{w} = d\overline{x}^2 - d\overline{\tau}^2$. The origin corresponds to the hyperbola $\overline{\tau}^2 - \overline{x}^2 = -\exp(2\overline{T}r^{2-7\rho}) = -1$. From this behavior we conclude that the singularity at r = 0 is timelike, this in contrast with our previous claim that it was lightlike. Thus the singularity is of the same type as for the Reissner—Nordström solution with charge *e* larger than the mass *m*, i.e. a naked singularity. For further details about the corresponding Penrose diagram etc., see ref. [5]. Our solution differs from the Reissner—Nordström solution in that the singularity is attractive rather than repulsive.

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