## Erratum

## An Investigation of the Limiting Behavior of Particle-like Solutions to the Einstein–Yang/Mills Equations and a New Black Hole Solution

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Received: 4 May 1994 / in revised form: 2 May 1995

Commun. Math. Phys. 161, 365-389 (1994)

Theorems 4.1, Corollary 4.3, Theorem 4.4, Proposition 4.6 and Corollary 4.6 of the above paper are incorrect. The corrected version is summarized by:

**Theorem.** If  $\{\Lambda_n(r)\}$  is a sequence of radially symmetric black hole solutions to the Einstein–Yang/Mills Equations (particle-like solutions if  $\rho = 0$ ) and if  $\lim_{n\to\infty} \Omega(\Lambda_n) = \infty$ , then for r > 1,  $\lim_{n\to\infty} \Lambda_n(r) = (0, 0, \overline{A}(r), r)$ , where  $\overline{A}(r) = 1 - \frac{2}{r} + \frac{1}{r^2}$  if  $\rho \leq 1$  and  $\overline{A}(r) = 1 - \frac{(\rho + \rho^{-1})}{r} + \frac{1}{r^2}$  if  $\rho \geq 1$ . Moreover, the convergence is uniform on bounded r intervals.

In other words, any sequence of black hole solutions with event horizon  $\rho \ge 0$  and increasing rotation numbers, must converge to an appropriate Riessner-Nordström solution for r > 1. (If  $\rho \le 1$  then these black hole solutions must converge to the critical Riessner-Nordström solution for r > 1.)

The results in Sects. 2, 3, and 5 of the above paper are correct as stated, as are Lemmas 4.2 and 4.5. Section 6 is no longer relevant in view of the above theorem. The error is in the paragraph preceding Theorem 4.1 of the above paper; the authors assert that  $p \neq (0,0)$  – in fact, P = (0,0). P. Breitenlohner and D. Maison have also found this error and their proof of the above theorem in the case  $\rho < 1$  will appear shortly.

Communicated by S.-T. Yau