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Erratum

On Event Horizons in Static Space-Times

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It has been pointed out[1] to the author that the $\theta_2 - \theta_3$ cross-term cannot, in general, be omitted in Eq. (3.1). Fortunately, the effects of this term are minor. We must replace m^α of Eq. (3.2) by

$$m^\alpha = 2^{-\frac{1}{2}}[P^{-1}\delta_2^\alpha + (T^{-1} + iQ^{-1})\delta_3^\alpha]$$

and Eqs. (3.3b), (3.3d) and (3.3e) by

$$\sigma = \bar{\lambda} = -\tfrac{1}{2}[D\ln(PQ^{-1}) + iQT^{-1}D\ln(P^{-1}T)]$$

$$\alpha = -\bar{\beta} = 2^{-3/2}[P^{-1}Q^{-1}[iP_{,3} - Q_{,2}) + P_{,3}P^{-1}T^{-1} + T_{,3}T^{-2} - Q_{,3}T^{-1}Q^{-1}]$$

$$\varepsilon = \bar{\gamma} = -(2^{3/2}\omega V)^{-1} + \frac{\bar{\sigma} - \sigma}{4},$$

respectively. Eqs. (3.3a) and (3.3c) remain the same. Throughout the paper ε has to be replaced by its real part and σ^2 by $|\sigma|^2$. Some of Eqs. (3.7) and (3.8) get modified by the addition of terms involving $\sigma - \bar{\sigma}$, but they are used with $\sigma = 0$ only. Finally, in Eq. (5.2) $P^{-1}\phi_{,2}$ becomes $P^{-1}\phi_{,2} + T^{-1}\phi_{,3}$.

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[1] S. Chung Chang (private communication).