

Erratum: Einstein-Rosen waves and the self-similarity hypothesis in cylindrical symmetry
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We made a typographical error in the first term on the right-hand side of Eq. (5.11). This is rectified as follows:

$$ds^2 = -[2(1 - 2\kappa^2)]^{-2} e^{2\lambda} \left(\frac{V + U}{2}\right)^{4\kappa(2\kappa-1)} dudv + \left(\frac{V + U}{2}\right)^{2(1-2\kappa)} \left(\frac{V - U}{2}\right)^2 d\varphi^2 + \left(\frac{V + U}{2}\right)^{4\kappa} dz^2.$$

Also in the caption of Fig. 3, we erroneously wrote that Fig. 3(b) showed the conformal diagram for $n = 2, 3, 4, \dots$. In reality, Fig. 3(b) shows the conformal diagram only for $n = 3, 5, 7, \dots$. As for $n = 2, 4, 6, \dots$, the conformal diagram is given by the following figure, where unshaded regions denote untrapped regions. For this case, the extended region $-v < u < 0$ is untrapped as is the original region $0 < u \leq v$. The null surface $u = 0$ is a trapping horizon. The timelike surface $r = 0$ is a regular or conically singular axis, while the spacelike surface $r = 0$ is noncurvature quasiregular singularity.

