

**Erratum: Threshold of primordial black hole formation**  
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Equations (5.1) and (5.2) should be the density perturbation integrated over the overdense region given by Eq. (93) of Ref. [13] rather than the local density perturbation given by Eq. (57) of Ref. [13]. Therefore, Eqs. (5.1) and (5.2) are then

$$\delta_1^{\text{COM}} = \frac{3(1+w)}{5+3w} K(r_0) r_0^2 \left( \frac{R_{H_b}}{R_a} \right)^2 \quad (5.1)$$

and

$$K(r_0) r_0^2 = \sin^2 \chi_a = \delta_H^{\text{UH}}, \quad (5.2)$$

respectively. In spite of this confusion, the results of the paper are unchanged, because the local and integrated density perturbations in the overdense region are identical within our three-zone model, where the overdense region is assumed to be uniform.

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