

ERRATUM on the article: J.-S. Guo, Ph. Souplet, Fast rate of formation of dead-core for the heat equation with strong absorption and applications to fast blow-up, *Math. Ann.* 331 (2005), no. 3, 651–667.

The proof of Proposition 3.3 should be modified as follows:

- p660, l-4: replace “Since $V > 0$ for $y > 0$, W is smooth there. The equation for W is:”
with “At any point $y \in \mathbb{R}$ such that $W(y) > 0$, the equation for W is:”

- p661, l2: replace “ $D = \{y > 0; H(y) \neq 0\}$ ”
with “ $D = \{y \in \mathbb{R}; W(y) > 0 \text{ and } H(y) \neq 0\}$ ”

- p661, l-5: replace “and that $Z(y_1) > 0$ (hence $y_1 \in D$).”
with “. Moreover $Z(y_1) > Z(R) \geq 0$ (due to $f(y_1) > f(R)$) and $W(y_1) \geq W(0) = Z^{1-p}(0) > 0$, hence $y_1 \in D$.”