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Calculus of Variations

PUBLISHER'S ERRATUM

Erratum to: Boundary regularity for the supercritical Lane-Emden heat flow

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The original version of this article unfortunately contained a typographical mistake. The correct statement of Proposition 3.2 is as follows:

Proposition 3.2 *There are constants $C = C(\Omega)$, $R_0 = R_0(\Omega) > 0$ such that for any smooth solution u of (1.1) on $\Omega \times [0, T[$, any $\rho > 0$, any $x_0 \in \bar{\Omega}$, and any $0 < 2r < R_1 \leq \min\{R_0, \sqrt{2}\rho, \sqrt{T/2}\}$, letting $t_0 = T - r^2$ with $\varphi = \varphi^\rho$ there holds*

$$\begin{aligned} &\|\nabla u\|^2_{L^{2,\mu}(Q_r(x_0,t_0))} + \|u\|^p_{L^{p,\mu}(Q_r(x_0,t_0))} \\ &\leq C \sup_{|x_1 - x_0| < r} H^\varphi_{(x_1,T)}(R_1) + C R_1 \sup_{x_1 \in \Omega} H^\varphi_{(x_1,T)}(R_1) + C_0 \delta(\rho, R_1) \end{aligned}$$

where $Q_r(x_0, t_0) = P_r(x_0, t_0) \cap \Omega \times [0, T[$.

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