ADDENDUM TO "ON SCALAR CURVATURE LOWER BOUNDS AND SCALAR CURVATURE MEASURE"

JOHN LOTT

ABSTRACT. We clarify the justification for (3.19).

From Lemma 3.1, if $d_{\widehat{t}}(x,y) < L\sqrt{\widehat{t}}$ then $d_T(x,y) < L\sqrt{\widehat{t}}e^{E(\widehat{t}-T)}$. As

$$|f(x) - f(y)| \leq d_T(x,y)\max|\nabla f|_{g(T)},$$

we obtain

$$\max_{x \in B_{g(\widehat{t})}(y,L\sqrt{\widehat{t}})}|f(x) - f(y)| \leq L\sqrt{\widehat{t}}e^{E(\widehat{t}-T)}\max|\nabla f|_{g(T)}.$$

The rest of the proof follows as in the paper.

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF CALIFORNIA, BERKELEY, BERKELEY, CA 94720-3840, USA

E-mail address: lott@berkeley.edu