

ERRATUM TO THE ARTICLE
“ZERO MEAN CURVATURE SURFACES IN
LORENTZ–MINKOWSKI 3-SPACE WHICH
CHANGE TYPE ACROSS A LIGHT-LIKE LINE”
OSAKA J. MATH. 52 (2015), 285–297

S. FUJIMORI, Y.W. KIM, S.-E. KOH, W. ROSSMAN, H. SHIN, M. UMEHARA,
 K. YAMADA and S.-D. YANG

(Received April 25, 2015, revised June 8, 2015)

In the paper [1] whose title is included in the above title, an error in one estimate was found, although the main results still remain valid. In fact, line 6 of p.292 is incorrect, and the corrected line should read

$$= cM^{k-3}|y|^{k^*} \frac{432c^2}{M^4} \sum_{m=3}^{k-4} \sum_{n=3}^{k-m-1} \frac{k|3n-k+m-1|}{mn(m-1)(n-1)(k-m-n+1)^2}.$$

As a consequence, we have that

$$(1) \quad |kQ_k| \leq cM^{k-3}|y|^{k^*} \frac{432c^2}{M^4} \sum_{m=3}^{k-4} \sum_{n=3}^{k-m-1} \frac{k|3n-k+m-1|}{(m-1)^2(n-1)^2(k-m-n+1)^2}.$$

Theorem 1.1 and Corollary 1.2 of [1] remain true under this correction. To confirm this, it is sufficient to show the inequality at the bottom of [1, p.292]:

$$(2) \quad |kQ_k| \leq \frac{c}{18\tau} M^{k-3}|y|^{k^*} \times 6\tau \leq \frac{c}{3} M^{k-3}|y|^{k^*}.$$

In fact, changing the original inequality in [1, line 6 of p.292] to (1) affects only the proof of (2).

From here on out, we prove (2) assuming (1).