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Citation	Osaka Journal of Mathematics. 1994, 31(2), p. 487
Version Type	VoR
URL	https://doi.org/10.18910/6686
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Note	

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Komatsu, K.
Osaka J. Math.
31 (1994), 487

CORRECTION TO A BOUNDARY LINK IS TRIVIAL IF THE LUSTERNIK-SCHNIRELMANN CATEGORY OF ITS COMPLEMENT IS ONE

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(Received July 13, 1993)

We found an error in the proof of Theorem 1 of [3]. The error occurs in the 19 and 20-th line from the top on page 336. There exist no elements $v_i \in H_*(t_l B'_{\beta_0})$ such that $j_b(t_l z_0) = \sum_{i=1}^{l-1}(t_i - 1)v_i$ and Assertion 4.1 is false. Nevertheless Theorem 1 remains true. This follows from the theorem 1 of [4] which assures that the link complement $S^{n+2} - L$ of a locally flat link L has the homotopy type of $(\vee_m S^1) \vee (\vee_{m-1} S^{n+1})$ if $\mathrm{cat}(S^{n+2} - L) = 1$ and the unlinking criterion of boundary links due to Gutiérrez ([2] for $n \geq 4$ and [1] for $n = 3$). Note here that any smooth link is locally flat.

References

[1] S. Cappell: *A splitting theorem for manifolds*, Invent. Math. **33** (1976), 69–170.
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[4] K. Komatsu: *On links whose complements have the Lusternik-Schnirelmann category one*, (to appear) in Hiroshima Math. J. **24**, No. 2 (1994).

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