

Correction to "On a piecewise linear link isotopy group"

By Kazuaki KOBAYASHI

Page 82: 10. Replace " $B \supset L$ " with " $B \subset L$ ".

Page 84: We correct the statement of LEMMA 2 as follows.

"LEMMA 2. Let $B_i = (D_i^n, \bigcup_{j=1}^{\mu} D_{ij}^k)$, $i = 1, 2$ be trivial braids such that $B_1 \cap B_2 = \partial B_1 \cap \partial B_2 = (D_3^{n-1}, \bigcup_{j=1}^{\mu} D_{3j}^{k-1})$ is a trivial $(n-1, k-1, \mu)$ -braid. Then $B_1 \cup B_2$ is equivalent to B_2 by homeomorphism $H: D_1^n \cup D_2^n \rightarrow D_2^n$ such that $H(D_{1j}^k \cup D_{2j}^k) = D_{2j}^k$, $j = 1, 2, \dots, \mu$ and $H(\partial D_2^n - \text{Int } D_3^{n-1}) = \text{identity}$."

Page 85: 15. Replace " (N_j, D_j^k) is an unknotted ball pair for $j = 1, 2, \dots, \mu$ " with " (N, D_j^k) , $j = 1, 2, \dots, \mu$ are all unknotted ball pairs."

Page 88: 10. Replace "LEMMA 2" with "LEMMA 1".

Page 88: 27. Replace "LEMMA 2" with "LEMMA 4".

Page 90: 6. After $\overline{S^n - S^{n-1}} = D_+^n \cup D_-^n$, we put the following sentences.

"Let l_i , $i = 1, 2$ be strong (n, k, μ) -link types with representative $L_i = (S^n, \bigcup_{j=1}^{\mu} S_{ij}^k)$."

We may suppose that $\bigcup_{j=1}^{\mu} S_{1j}^k \subset \text{Int } D_+^n$ and $\bigcup_{j=1}^{\mu} S_{2j}^k \subset \text{Int } D_-^n$."

Page 92: 29 & 30. Replace " $L(n, k, \mu)$ " with " $\mathcal{L}(n, k, \mu)$ ".

Page 93: We correct LEMMA 15 as follows. "LEMMA 15. Let l be an strong (n, k, μ) -link type, $n - k \geq 3$. If l is link cobordant to zeros, l is link homotopic to zero."

PROOF. If $l \sim 0$, $l = 0$ by [10, Th. 7]. Hence $l \sim 0$."

Page 94: 17 & 18. Replace " $H(n, k, \mu)$ " with " $\mathcal{H}(n, k, \mu)$ ".

Page 94: 18, 19, 23, 27 & 33. Replace " $L(n, k, \mu)$ " with " $\mathcal{L}(n, k, \mu)$ ".

Page 95: 3. Replace "the closure of the complement X of $\bigcup_{j=1}^{\mu} S_j^k$ in S^n (i.e. $X = \overline{S^n - \bigcup_{j=1}^{\mu} S_j^k}$)" with "the complement X of $\bigcup_{j=1}^{\mu} S_j^k$ in S^n (i.e. $X = S^n - \bigcup_{j=1}^{\mu} S_j^k$)".

Page 95: LEMMA 16. Replace " $i \leq n-2$ " with " $i \leq n-3$ ".

Page 95: 17. Replace " $i \leq n-2$ " with " $i \leq n-3$ ".

Page 97: 9. Replace " $p \leq n-2$ " with " $p \leq n-3$ ".

Page 95: 19. Replace " $\pi_i(V_{j-1}^{\mu} S_j^{n-k-1})$ " with " $\pi_i(V_{j=1}^{\mu} S_j^{n-k-1})$ ".