ERRATA TO “THE NONTRIVIALITY OF
THE FIRST RATIONAL HOMOLOGY GROUP OF
SOME CONNECTED INVARIANT SUBSETS OF
PERIODIC TRANSFORMATIONS”

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The reference to [K1] in the proof of Theorem A should be replaced by [K, S] and [R]: the latter papers combine to give a correct proof for the result stated in [K1]. The proof of Theorem A as given works for \( n \neq 4 \). The case \( n = 4 \) follows from \( n = 5 \) by applying Theorem A to \( M \times \mathbb{R} \) (equipped with action \( \tilde{\mu}(g; [m, t]) = [\mu(g, m), t] \)).

The hypotheses of Theorem C should include the following:
(a) \( M^{n+2} \) is a closed manifold.
(b) If \( G = \mathbb{Z}_m \) in part (1) or \( G_m \) in part (2), then \( G \) acts trivially on \( \pi_1(M) \).

These hypotheses are used in the proof.

We thank D. Ruberman for pointing out the insufficiency and inaccuracy of reference [K1], and A. Edmonds for pointing out the obvious failure of Theorem C without the additional hypotheses.

The following misprints should be corrected:
- p. 705, line 6 from bottom: \( \tilde{\mathbf{H}} \cdot_\ast(M^{Z_m}; \mathbb{Z}_m) \) should be \( H \cdot_\ast(M^{Z_m}; \mathbb{Z}_m) \).
- p. 705, line 5 from bottom: \( H(M; \mathbb{Z}_m) \) should be \( H \cdot M; \mathbb{Z}_m) \).
- p. 706, line 2: \( P_i \to K(\pi, 1) \) should be \( P_i \to K(\pi, 1) \).
- p. 707, line 8: \( M^{\mathbb{Z}_m} \) should be \( M^{\mathbb{Z}_m} \).

REFERENCES


[R] D. Ruberman, Locally flat surfaces in four manifolds have normal bundles (to appear).

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