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ADDENDUM TO "MULTIPLE PERIODIC SOLUTIONS OF AUTONOMOUS SEMILINEAR WAVE EQUATIONS"

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In Theorem 2.1 of the paper "Multiple periodic solutions of autonomous semilinear wave equations", published in Topol. Methods Nonlinear Anal. **3** (1994), 209–219, a further assumption must be added, namely

g) *for every* $v \in S_r \cap V \cap \mathrm{Fix}(S^1)$ *and* $w \in W \cap \mathrm{Fix}(S^1)$ *we have* $f(v) < f(w)$.

Accordingly, in the proof of Theorem 1.2, it is necessary to show that this further condition is satisfied.

Let us consider the case

$$\liminf_{s \to 0} \frac{g(s)}{s} > \lambda_{h+1},$$

$$j^2 s^2 \le s g(s) \le (j+1)^2 s^2.$$

For every $w \in W \cap \mathrm{Fix}(S^1)$, we have

$$\begin{aligned} f(w) &= \pi \int_0^\pi |w_x|^2 \, dx - 2\pi \int_0^\pi G(w) \, dx \\ &\ge \pi (j+1)^2 \int_0^\pi w^2 \, dx - \pi (j+1)^2 \int_0^\pi w^2 \, dx = 0. \end{aligned}$$

Because of (3.6), condition g) is therefore satisfied.

The other cases can be treated in a similar way.

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