CORRECTION TO POINCARÉ COMPLEX THICKENINGS AND CONCORDANCE OBSTRUCTIONS

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It has been pointed out to me that a calculation of D. Sullivan contradicts Theorem 3.3 of my paper Poincaré complex thickenings and concordance obstructions [1]. The calculation indicates the presence of 2-torsion in the homeotopy group of $S^9 \times S^{11}$. In fact my proof of Theorem 3.3 depended on a mistake in the computations with the J-homomorphism. It is quite easy to see that there is an element of order 2 in the kernel of $\pi_9(PL) \to \pi_9(g)$ which would give rise to an element of order 2 in $JT^{22}(S^9 \vee S^{11})$, for in this case $\pi_9(PL)$ is of order 16, from the exact sequence $0 \to \pi_9(0) \to \pi_9(PL) \to \Gamma_9 \to 0$ and $\pi_9(g)$ is of order 8.

REFERENCE

1. J. P. E. Hodgson, Poincaré complex thickenings and concordance obstructions, Bull. Amer. Math. Soc. 76 (1970), 1039-1043.

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