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Correction to "Modulo odd prime homotopy normality for H-spaces" (This Journal Vol.38, 1998, 643–651)

By

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In Theorem 3.3 in the paper titled above, we used the assumption that there does not exist any primitive elements of degree $2(p^2-1)+3$ nor $2(p^2-1)+2p+1$ in $H^*(Y;Z/p)$. However the proof was given only by the assumption of the non-existence of primitive elements in $K(2)^*(Y)$. For these dimensional elements, primitive in $K(2)^*(Y)$ is equivalent to modulo (Q_2) primitive in $H^*(Y;Z/p)$, namely, $\phi(x)=x\otimes 1+1\otimes x\ mod(Q_2)$ for the coproduct map ϕ.

Therefore we must change the assumptions "*primitive*" to "$mod(Q_2)$ *primitive*" (resp. "$mod(Q_3)$ *primitive*") in Theorem 3.3, Corollary 3.4 (resp. Theorem 4.3).

Moreover in Corllary 3.4 and Corollary 3.6, the dimensional assumption $2(p^2-1)+2p+1$ is also needed. (The proof of Corollary 3.4 was an error.) Indeed, we must add the degree 23 for $p=3$ and 59 for $p=5$.

These results were quoted in the recently published paper by the same auithors ("Note on homotopy normality and the n-connected fiber space." Kyushu J.Math. 54 (2000)). Hence similar changes are needed. However these results are not used other parts of the paper.

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