

Manifold classes and suspension theorem

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Abstract

In this paper we construct a manifold class $\mathcal{P}\mathcal{L}^h$, for each $h \geq 1$, such that the suspension homomorphism

$$s : \Theta_{r-1}^{\mathcal{F}}(S^{n-1}, x_0) \rightarrow \Theta_r^{\mathcal{F}}(S^n, x_0)$$

is an isomorphism for each r and for each $n > h$