§4. Cobordism Invariance

Def. 4.1 For $f : M \to N$, the map

$$\Sigma f = f \times id_{\mathbb{R}} : M \times \mathbb{R} \to N \times \mathbb{R}$$

is called the suspension of f.

$(\Sigma f)^{-1}(y \times \{0\})$: suspension of $f^{-1}(y)$

$\tau(n,p)$: class of sing. fibers of proper Thom maps $M^n \to N^p$

Let us consider $C^*(\tau(n,p), \rho_{n,p})$ & $C^*(\tau(n+1,p+1), \rho_{n+1,p+1})$

which are consistent with suspension