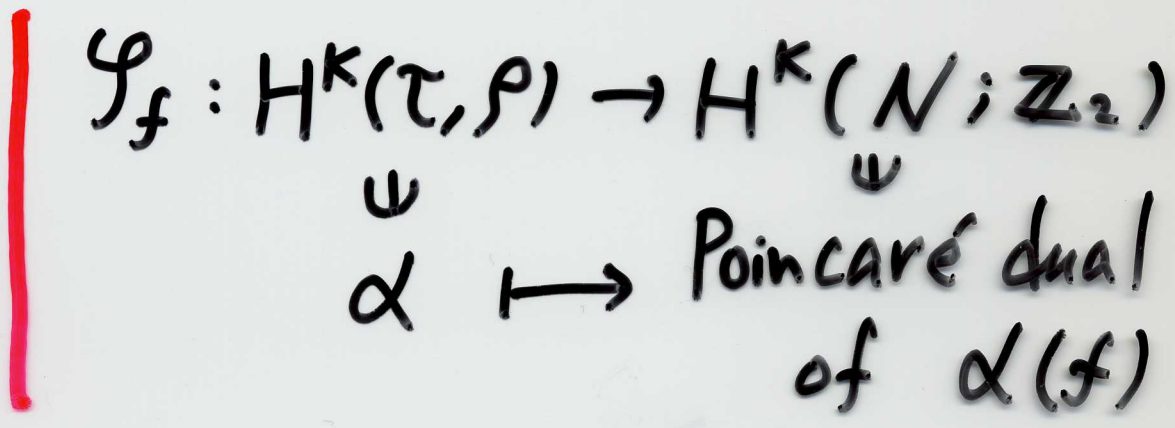


Def 3.4  $\alpha = [C] \in H^k(\tau, \rho)$

$f: M \rightarrow N^p$   $\tau$ -map

$\alpha(f) := [C(f)] \in H_{p-k}^c(N; \mathbb{Z}_2)$



homomorphism induced by  $f$

Intuitively ...

$f$   $\rightsquigarrow$  Target  $N$  is stratified according to sing. fibers

$\rightsquigarrow$  find a cycle made up of certain strata

$\rightsquigarrow$  "intersection homo." defines an element of  $H^*(N; \mathbb{Z}_2)$