Corollary (T. Yamamoto - S)

$f : M^n \to N^{n-1}$ proper,

Thom-Boardman generic

f is an oriented map

(i.e. fibers of $f|M^n - S(f)$ are consistently oriented)

$$\Rightarrow \quad 3[\text{Ш}^s(f)]^* = f_! P_1(M)$$

in $H^3(N;\mathbb{Z})$ mod. torsion

In the following, for $I = (i_1, \cdots, i_n)$,

$$w_I = w_1^{i_1} \cup \cdots \cup w_n^{i_n},$$

$$P_I = P_1^{i_1} \cup \cdots \cup P_n^{i_n}.$$