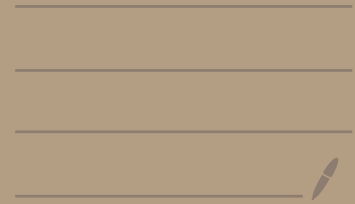


# Enumerative geo of csm

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$X \subset \mathbb{P}^N$  locally closed

- $X_r = X \cap \underbrace{H_1 \cap H_2 \cap \dots \cap H_r}_{\text{general hyperplanes}}$   
 $\chi_X(t) := \sum \chi(X_i) (-t)^i$

- $c^{sm}(X \subset \mathbb{P}^N) = \sum a_i \zeta^i$   
 $\sigma_X(t) := \sum a_i t^{N-i}$

$$\chi_X(t) \xleftrightarrow{J} \sigma_X(t)$$

involution on poly's

$$p \xrightarrow{J} \frac{t \cdot p(-t-1) + p(0)}{t+1}$$