

gradation $\mathcal{T}_0 \times \mathcal{T}_1 \times \dots \times \mathcal{T}_{r-} \times \mathcal{T}_r = \mathcal{T} = \mathcal{T}_r \supset \mathcal{T}_{r-} \supset \dots \supset \mathcal{T}_1 \supset \mathcal{T}_0 = \mathcal{K}$ filtration

$$\text{abel } \mathcal{T}_k = \mathcal{T}_k + \mathcal{T}_{k-} = \mathcal{C}(S_k)$$

$$\text{haus } \mathcal{T}_k^\# = S_k$$

stratation $S_0 = \mathcal{T}_0 \subset_{\mathcal{T}_1^\#} \mathcal{T}_1 \subset_{\mathcal{T}_2^\#} \dots \subset_{\mathcal{T}_{r-}^\#} \mathcal{T}_{r-} \subset_{\mathcal{T}_r^\#} \mathcal{T}_r = \mathcal{T}^\# = \mathcal{T}_0^\# \cup \mathcal{T}_1^\# \cup \dots \cup \mathcal{T}_{r-}^\# \cup \mathcal{T}_r^\#$ partation

$$\mathcal{T}_k^\# = \mathcal{T}_0^\# \cup \mathcal{T}_1^\# \cup \dots \cup \mathcal{T}_k^\# \text{ non-closed } k < r$$

$$\mathcal{T} = \mathcal{T}_1 \supset \mathcal{T}_0 = \mathcal{K} = \mathcal{T} \times \mathcal{T}$$

$$\mathcal{T} = \mathcal{T} + \mathcal{K} = \mathcal{C}(S)$$

$$\mathcal{T}^\# = S$$

$$S_0 = \mathcal{T}_0 \subset_{\mathcal{T}_1^\#} \mathcal{T}_1 = \mathcal{T}^\#$$