

	objects	morphism relation	Thm: $ Ob//rel \approx$
Set	C_n -modules	$\exists \left\{ \begin{array}{l} V \hookrightarrow W \text{ w/} \\ \text{extension of } C_n \\ \text{to } C_{n+1} \hookrightarrow W-V \end{array} \right.$	$\pi_n KO$ [Atiyah-Bott-Shapiro]
category 12 space	"	$V \rightarrow W$	KO_n [Hochschild-Stolz-Teichner]

Ring spectrum structure

objects: $\checkmark$

relation: $\checkmark \Rightarrow \text{ring } \pi_* KO$

$$M(n)_{\infty}^{ABS} \times M(m)_{\infty}^{ABS} \xrightarrow{\otimes} M(n+m)_{\infty}^{ABS}$$

top-category: $\times$ [Thomason's "phony multiplication" on S - S]

∞ -category: Thm(K.): $\checkmark \rightsquigarrow KO \in \text{CAlg}(Sp)$