$$|X| \times |Y| = |X \sqcap Y|$$
$$|X| + |Y| = |X \sqcup Y|$$

$$T^\bullet V = \bigoplus_{n \in \mathbb{N}} V^{\otimes n}$$

$$\lim_{N \to \infty} \int_{|\xi| \leq N} d\xi (\hat{f}\,\xi) e^{2\pi i x \xi} = f\,x$$

$$\bigoplus_{j \in \mathbb{Z}[p^{-1}]} H^0\left(\mathcal{X}^{\mathrm{perf}}_{\Sigma,K}, \mathcal{O}(jD)\right) = \bigoplus_{j \in \mathbb{Z}[p^{-1}]} \widehat{\bigoplus_{\substack{u \in M[p^{-1}] \\ \langle u, v_i \rangle \geq -j a_i}}} K\chi^u$$

$$\begin{aligned}
&\Gamma(U_R, (\underline{\mathrm{End}}(\widetilde{\mathcal{V}}))\hat{}\,)/f\Gamma(U_R, (\underline{\mathrm{End}}(\widetilde{\mathcal{V}}))\hat{}\,) \\
&\simeq (\varprojlim_n \Gamma(U_R, \underline{\mathrm{End}}(\mathcal{V}_n)))/f(\varprojlim_n \Gamma(U_R, \underline{\mathrm{End}}(\mathcal{V}_n))) \\
&\simeq \varprojlim_n (\Gamma(U_R, \underline{\mathrm{End}}(\mathcal{V}_n))/f\Gamma(U_R, \underline{\mathrm{End}}(\mathcal{V}_n))) \\
&\simeq \Gamma(U_R, \underline{\mathrm{End}}(\mathcal{V}_n)).
\end{aligned}$$

$$H^n(\_; A) : \mathsf{hTop}^{\mathrm{opp}}_{\mathrm{CW}} \to \mathsf{Set}$$

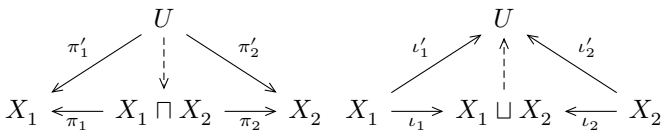
$$\mathcal{X}/\pi^* U \xrightarrow{\pi_*|_{(\mathcal{X}/\pi^* U)}} \mathcal{Y}/U$$

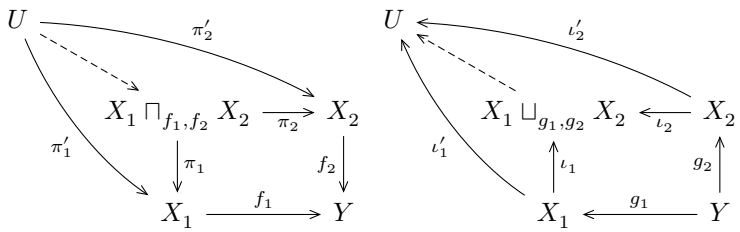
$$\Gamma_c(U; E) \to \varinjlim_{K \subseteq U} \Gamma_K(M; E)$$

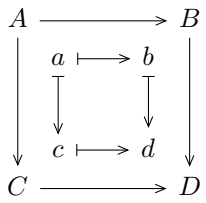
$$\textstyle\int F^{\mathrm{opp}} \xrightarrow{\Pi} \mathcal{C}^{\mathrm{opp}} \xrightarrow{y} \mathsf{Set}^{\mathcal{C}}$$

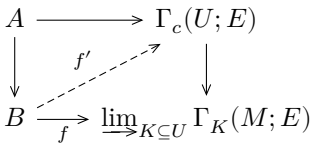
$$\mathsf{Matr}_{\Bbbk} \underset{H}{\overset{\Bbbk^{(\_)}}{\rightleftarrows}} \mathsf{Vect}^{\mathrm{basis}}_{\Bbbk} \underset{C}{\overset{U}{\rightleftarrows}} \mathsf{Vect}^{\mathrm{fd}}_{\Bbbk}$$

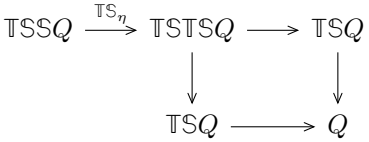
$$K^{\triangleright} \longrightarrow \prod_{i \in I} K_i^{\triangleright} \longrightarrow \prod_{i \in I} \mathcal{C}^{\otimes}_{\mathrm{act}} \xrightarrow{\oplus I} \mathcal{C}^{\otimes}_{\mathrm{act}}$$

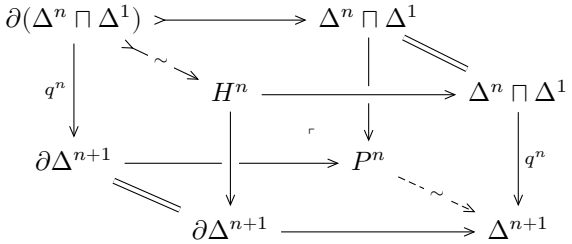


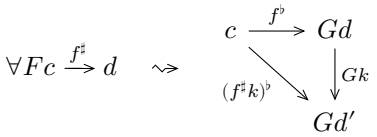

U
π_2'
$X_1 \sqcap_{f_1,f_2} X_2$
π_2
X_2
π_1'
π_1
f_2
X_1
f_1
Y
U
ι_2'
$X_1 \sqcup_{g_1,g_2} X_2$
ι_2
X_2
ι_1'
ι_1
g_2
X_1
g_1
Y

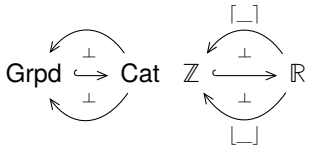

A
B
a
b
c
d
C
D

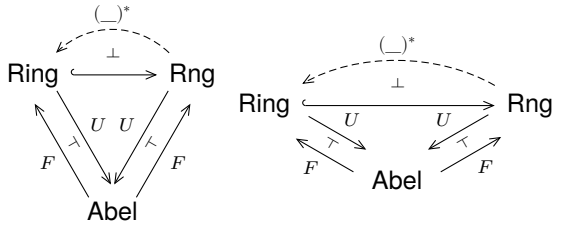

A
$\Gamma_c(U;E)$
f'
B
f
$\varinjlim_{K\subseteq U} \Gamma_K(M;E)$


$\mathbb{T}\mathbb{S}\mathbb{S}Q$
$\mathbb{T}\mathbb{S}_\eta$
$\mathbb{T}\mathbb{S}\mathbb{T}\mathbb{S}Q$
$\mathbb{T}\mathbb{S}Q$
$\mathbb{T}\mathbb{S}Q$
Q


$\partial(\Delta^n \sqcap \Delta^1)$
$\Delta^n \sqcap \Delta^1$
q^n
H^n
$\Delta^n \sqcap \Delta^1$
$\partial\Delta^{n+1}$
P^n
q^n
$\partial\Delta^{n+1}$
Δ^{n+1}


$\forall Fc \xrightarrow{f^\sharp} d$
$c \xrightarrow{f^\flat} Gd$
Gk
$(f^\sharp k)^\flat$
Gd'


Grpd
Cat
$\mathbb{Z}$
$\mathbb{R}$
$\lceil\_\rceil$
$\lfloor\_\rfloor$


(_)*
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(_)*
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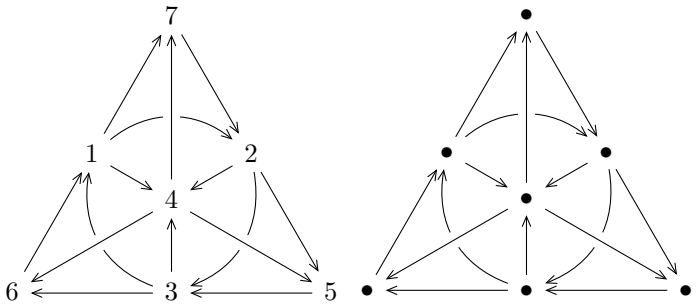
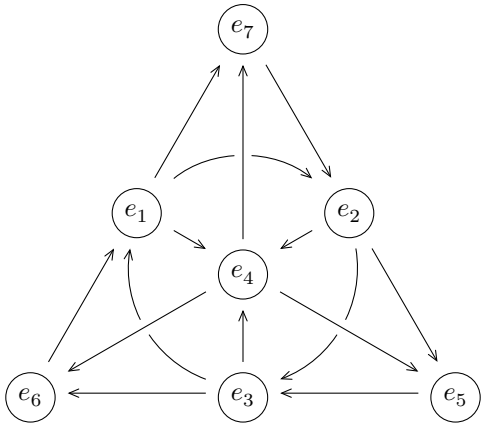
Abel


7
1
2
4
6
3
5


e_7
e_1
e_2
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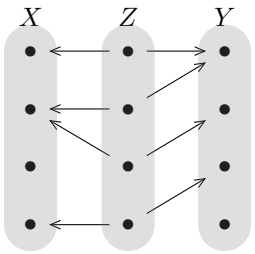
e_6
e_3
e_5


X
Z
Y