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Das wegtopologische System paariger kategorietheoretischer Vektoren

1. In Toth (2011a) hatten wir folgende Korrespondenzen zwischen Subzeichen als wegtopologischen Kategorien in der numerischen und der morphismischen Schreibung festgestellt:

$\{(2.1)^{\leftarrow}, (2.2)^{\leftarrow}, (2.3)^{\leftarrow}\} \rightarrow \{\alpha^{\leftarrow}, id_2^{\leftarrow}, \beta\alpha^{\leftarrow}\}$

$\{(2.1)^{\downarrow}, (2.2)^{\downarrow}, (2.3)^{\downarrow}\} \rightarrow \{\alpha^{\downarrow}, id_2^{\downarrow}, \beta\alpha^{\downarrow}\}$

$\{(2.1)^{\rightarrow}, (2.2)^{\rightarrow}, (2.3)^{\rightarrow}\} \rightarrow \{\alpha^{\rightarrow}, id_2^{\rightarrow}, \beta\alpha^{\rightarrow}\}$

2. Analog zur Pfeilgrammatik (Toth 2011b) , wo wir von drei Richtungen ausgegangen waren, wollen wir hier exemplarisch das wegtopologische System paariger kategorietheoretischer Vektoren zusammenstellen:

	$\alpha^{\leftarrow}$	$\alpha^{\downarrow}$	$\alpha^{\rightarrow}$	$id_2^{\leftarrow}$	$id_2^{\downarrow}$	$id_2^{\rightarrow}$	$\beta\alpha^{\leftarrow}$	$\beta\alpha^{\downarrow}$	$\beta\alpha^{\rightarrow}$
$\alpha^{\leftarrow}$	$\alpha^{\leftarrow}\ \alpha^{\leftarrow}$	$\alpha^{\leftarrow}\ \alpha^{\downarrow}$	$\alpha^{\leftarrow}\ \alpha^{\rightarrow}$	$\alpha^{\rightarrow}\ id_2^{\leftarrow}$	$\alpha^{\leftarrow}\ id_2^{\downarrow}$	$\alpha^{\leftarrow}\ id_2^{\rightarrow}$	$\alpha^{\leftarrow}\ \beta\alpha^{\leftarrow}$	$\alpha^{\leftarrow}\ \beta\alpha^{\downarrow}$	$\alpha^{\leftarrow}\ \beta\alpha^{\rightarrow}$
$\alpha^{\downarrow}$	$\alpha^{\downarrow}\ \alpha^{\leftarrow}$	$\alpha^{\downarrow}\ \alpha^{\downarrow}$	$\alpha^{\downarrow}\ \alpha^{\rightarrow}$	$\alpha^{\downarrow}\ id_2^{\leftarrow}$	$\alpha^{\downarrow}\ id_2^{\downarrow}$	$\alpha^{\downarrow}\ id_2^{\rightarrow}$	$\alpha^{\downarrow}\ \beta\alpha^{\leftarrow}$	$\alpha^{\downarrow}\ \beta\alpha^{\downarrow}$	$\alpha^{\downarrow}\ \beta\alpha^{\rightarrow}$
$\alpha^{\rightarrow}$	$\alpha^{\rightarrow}\ \alpha^{\leftarrow}$	$\alpha^{\rightarrow}\ \alpha^{\downarrow}$	$\alpha^{\rightarrow}\ \alpha^{\rightarrow}$	$\alpha^{\rightarrow}\ id_2^{\leftarrow}$	$\alpha^{\rightarrow}\ id_2^{\downarrow}$	$\alpha^{\rightarrow}\ id_2^{\rightarrow}$	$\alpha^{\rightarrow}\ \beta\alpha^{\leftarrow}$	$\alpha^{\rightarrow}\ \beta\alpha^{\downarrow}$	$\alpha^{\rightarrow}\ \beta\alpha^{\rightarrow}$
$id_2^{\leftarrow}$	$id_2^{\leftarrow}\ \alpha^{\leftarrow}$	$id_2^{\leftarrow}\ \alpha^{\downarrow}$	$id_2^{\leftarrow}\ \alpha^{\rightarrow}$	$id_2^{\leftarrow}\ id_2^{\leftarrow}$	$id_2^{\leftarrow}\ id_2^{\downarrow}$	$id_2^{\leftarrow}\ id_2^{\rightarrow}$	$id_2^{\leftarrow}\ \beta\alpha^{\leftarrow}$	$id_2^{\leftarrow}\ \beta\alpha^{\downarrow}$	$id_2^{\leftarrow}\beta\alpha^{\rightarrow}$
$id_2^{\downarrow}$	$id_2^{\downarrow}\ \alpha^{\leftarrow}$	$id_2^{\downarrow}\ \alpha^{\downarrow}$	$id_2^{\downarrow}\ \alpha^{\rightarrow}$	$id_2^{\downarrow}\ id_2^{\leftarrow}$	$id_2^{\downarrow}\ id_2^{\downarrow}$	$id_2^{\downarrow}\ id_2^{\rightarrow}$	$id_2^{\downarrow}\ \beta\alpha$	$id_2^{\downarrow}\ \beta\alpha^{\downarrow}$	$id_2^{\downarrow}\ \beta\alpha^{\rightarrow}$
$id_2^{\rightarrow}$	$id_2^{\rightarrow}\ \alpha^{\leftarrow}$	$id_2^{\rightarrow}\ \alpha^{\downarrow}$	$id_2^{\rightarrow}\ \alpha^{\rightarrow}$	$id_2^{\rightarrow}\ id_2^{\leftarrow}$	$id_2^{\rightarrow}\ id_2^{\downarrow}$	$id_2^{\rightarrow}\ id_2^{\rightarrow}$	$id_2^{\rightarrow}\ \beta\alpha^{\leftarrow}$	$id_2^{\rightarrow}\ \beta\alpha^{\downarrow}$	$id_2^{\rightarrow}\beta\alpha^{\rightarrow}$
$\beta\alpha^{\leftarrow}$	$\beta\alpha^{\leftarrow}\ \alpha^{\leftarrow}$	$\beta\alpha^{\leftarrow}\ \alpha^{\downarrow}$	$\beta\alpha^{\leftarrow}\ \alpha^{\rightarrow}$	$\beta\alpha^{\leftarrow}\ id_2^{\leftarrow}$	$\beta\alpha^{\leftarrow}\ id_2^{\downarrow}$	$\beta\alpha^{\leftarrow}\ id_2^{\rightarrow}$	$\beta\alpha^{\leftarrow}\ \beta\alpha^{\leftarrow}$	$\beta\alpha^{\leftarrow}\ \beta\alpha^{\downarrow}$	$\beta\alpha^{\leftarrow}\ \beta\alpha^{\rightarrow}$
$\beta\alpha^{\downarrow}$	$\beta\alpha^{\downarrow}\ \alpha^{\leftarrow}$	$\beta\alpha^{\downarrow}\ \alpha^{\downarrow}$	$\beta\alpha^{\downarrow}\ \alpha^{\rightarrow}$	$\beta\alpha^{\downarrow}\quad id_2^{\leftarrow}$	$\beta\alpha^{\downarrow}\ id_2^{\downarrow}$	$\beta\alpha^{\downarrow}\ id_2^{\rightarrow}$	$\beta\alpha^{\downarrow}\ \beta\alpha^{\leftarrow}$	$\beta\alpha^{\downarrow}\ \beta\alpha^{\downarrow}$	$\beta\alpha^{\downarrow}\ \beta\alpha^{\rightarrow}$
$\beta\alpha^{\rightarrow}$	$\alpha^{\rightarrow}\ \alpha^{\leftarrow}$	$\beta\alpha^{\rightarrow}\ \alpha^{\downarrow}$	$\beta\alpha^{\rightarrow}\ \alpha^{\rightarrow}$	$\beta\alpha^{\rightarrow}\ id_2^{\leftarrow}$	$\beta\alpha^{\rightarrow}\ id_2^{\downarrow}$	$\beta\alpha^{\rightarrow}\ id_2^{\rightarrow}$	$\beta\alpha^{\rightarrow}\ \beta\alpha^{\leftarrow}$	$\beta\alpha^{\rightarrow}\ \beta\alpha^{\downarrow}$	$\beta\alpha^{\rightarrow}\ \beta\alpha^{\rightarrow}$

Tripel gibt es also $9^3 = 729$, und zwar für alle $(a.b) \in \{1, 2, 3\}$, d.h. 3 mal 729 = 2´187 semioitisch-wegtopologisch unterscheidbare Direktionalen.

Bibliographie

Toth, Alfred, Wegtopologie als System gerichteter Morphismen. In: Electronic Journal for Mathematical Semiotics, 2011a

Toth, Alfred, Wegtopologische Pfeilgrammatik. In: Electronic Journal for Mathematical Semiotics, 2011b

6.2.2011