

**Prof. Dr. Alfred Toth**

### **Morphismen als semiotische Transoperatoren**

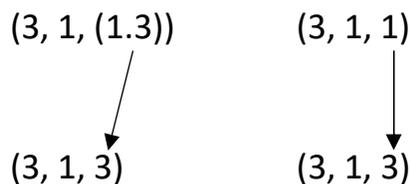
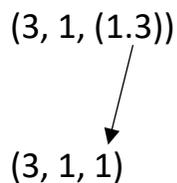
1. Transoperatoren wurden als interkontextuelle Operatoren von Kronthaler (1986) in die qualitative Mathematik eingeführt. Wir gehen im folgenden von der verdoppelten Abbildung der kleinen semiotischen Matrix auf die semiotischen Morphismen einerseits und auf die Kontexturenzahlen andererseits (vgl. Toth 2019) aus:

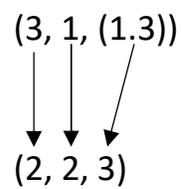
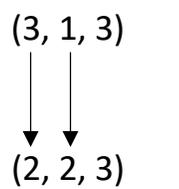
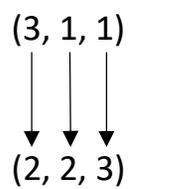
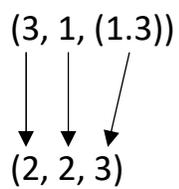
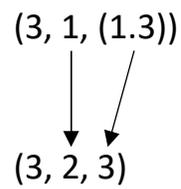
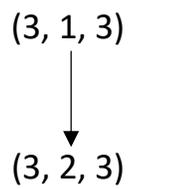
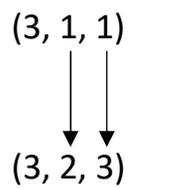
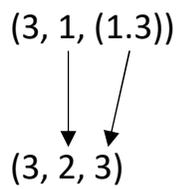
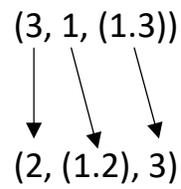
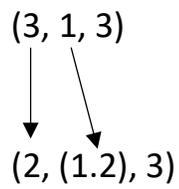
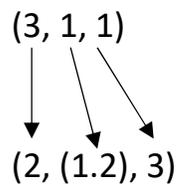
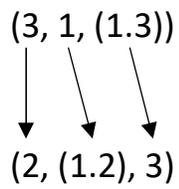
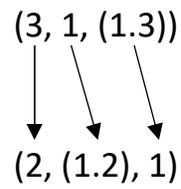
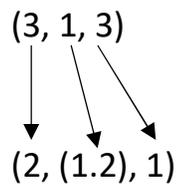
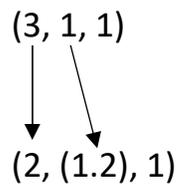
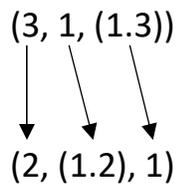
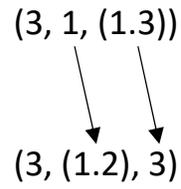
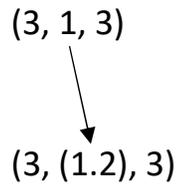
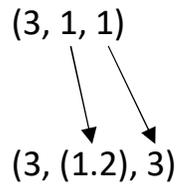
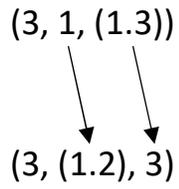
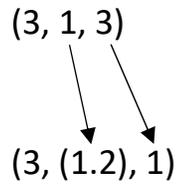
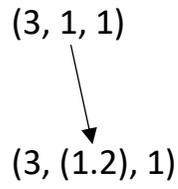
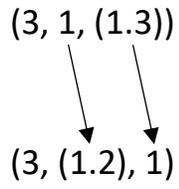
$$\text{id1} = (1.3), \text{id2} = (1.2), \text{id3} = (2.3)$$

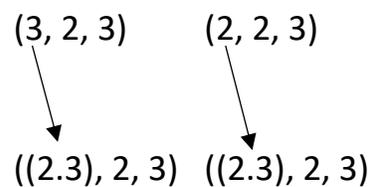
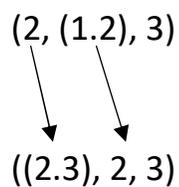
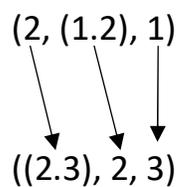
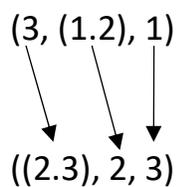
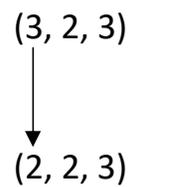
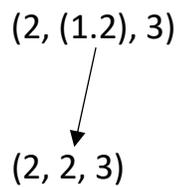
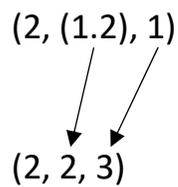
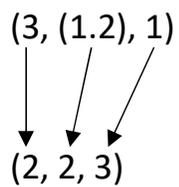
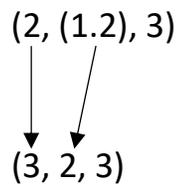
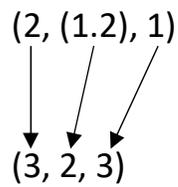
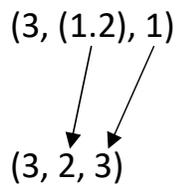
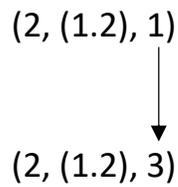
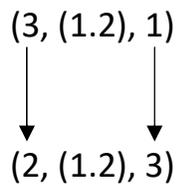
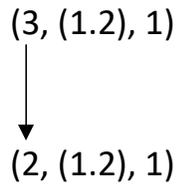
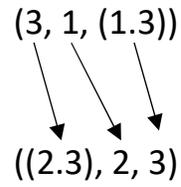
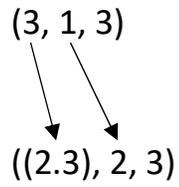
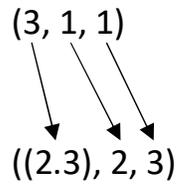
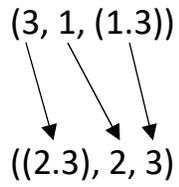
$$\alpha = \alpha^\circ = 1, \beta = \beta^\circ = 2, \beta\alpha = \alpha^\circ\beta^\circ = 3.$$

1.1	1.2	1.3		id1	$\alpha$	$\beta\alpha$		(1.3)	1	3
2.1	2.2	2.3	$\rightarrow$	$\alpha^\circ$	id2	$\beta$	$\rightarrow$	1	(1.2)	2
3.1	3.2	3.3		$\alpha^\circ\beta^\circ$	$\beta^\circ$	id3		3	2	(2.3)

2. Im folgenden zeigen wir, daß die Abbildung von Kontexturenzahlen aufeinander selbst wiederum durch Morphismen bewerkstelligt wird. Hierbei handelt es sich also ausnahmslos um kontextuelle Transgressionen. Die semiotischen Morphismen fungieren demnach als Transoperatoren im Rahmen des dissemierten semiotischen Verbundsystems (Toth 2019).







Wo keine Pfeile, d.h. semiotische Transoperatoren, stehen, bestehen somit identische Abbildungen.

## Literatur

Kronthaler, Engelbert, Grundlegung einer Mathematik der Qualitäten. Frankfurt am Main 1986

Toth, Alfred, Die Abbildung von Kontexturenzahlen auf Subzeichen und Kategorien. In: Electronic Journal for Mathematical Semiotics, 2019

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