

Prof. Dr. Alfred Toth

Randtheoretische Diagramme zu situationalen semiotischen Relationen

1. Wir gehen aus von der allgemeinen Form eines ternären semiotischen Dualsystems

$$3.x \quad 2.y \quad 1.z \quad \times \quad z.1 \quad y.2 \quad x.3$$

und bestimmen das situationale semiotische Dualsystem (vgl. Toth 2026a)

$$3.2 \quad \underline{x.y} \quad | \quad \underline{2.1} \quad y.z \quad \times \quad z.y \quad \underline{1.2} \quad | \quad \underline{y.x} \quad 2.3$$

$$U^{lo} \quad \quad \quad Sys \quad \quad \quad U^{ro} \quad \times \quad U^{lo} \quad \quad \quad Sys \quad \quad \quad U^{ro}$$

Die Kategorie Sys ist weiter differenzierbar in Sys^{lo} und Sys^{ro} .

Dann kann man folgende Trajektionsmatrix bilden:

	U^{lo}	U^{ro}	Sys^{lo}	Sys^{ro}
U^{lo}	—	$U^{lo}U^{ro}$	$U^{lo}Sys^{lo}$	$U^{lo}Sys^{ro}$
U^{ro}	$U^{ro}U^{lo}$	—	$U^{ro}Sys^{lo}$	$U^{ro}Sys^{ro}$
Sys^{lo}	$Sys^{lo}U^{lo}$	$Sys^{lo}U^{ro}$	—	$Sys^{lo}Sys^{ro}$
Sys^{ro}	$Sys^{ro}U^{lo}$	$Sys^{ro}U^{ro}$	$Sys^{ro}Sys^{lo}$	—

2. Im folgenden wählen wir exemplarisch das folgende Dualsystem

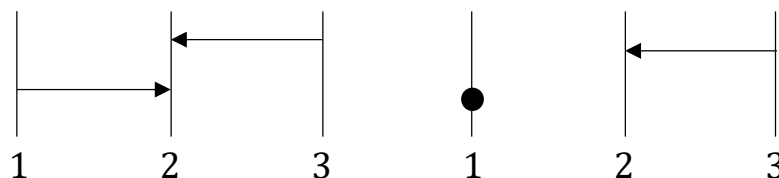
$$DS: ZKl = (3.1, 2.1, 1.2) \times RTh = (2.1, 1.2, 1.3),$$

$$d.h. x = 1, y = 1, z = 2$$

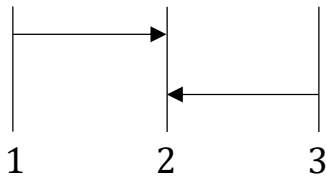
und stellen die 2 mal 24 Kombinationen (vgl. Toth 2026b) in der Form von randtheoretischen Diagrammen dar.

Zeichenthematik

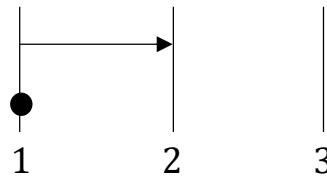
$$U^{lo}U^{ro} = (3.2, 1.2) \quad U^{lo}Sys^{lo} = (3.2, 1.1)$$



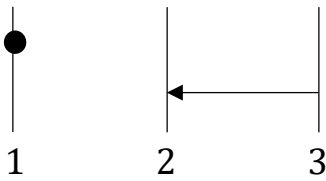
$$U^{ro}U^{lo} = (1.2, 3.2)$$



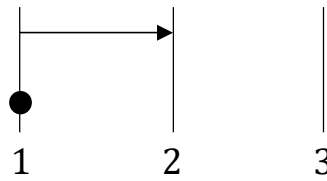
$$U^{ro}Sys^{lo} = (1.2, 1.1)$$



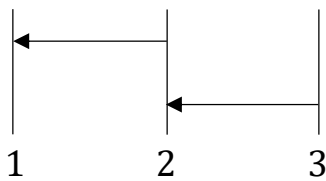
$$Sys^{lo}U^{lo} = (1.1, 3.2)$$



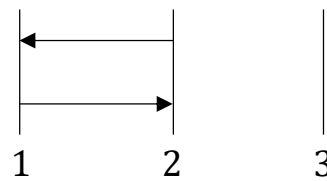
$$Sys^{lo}U^{ro} = (1.1, 1.2)$$



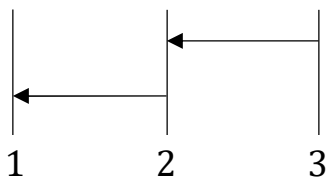
$$Sys^{ro}U^{lo} = (2.1, 3.2)$$



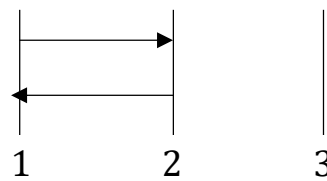
$$Sys^{ro}U^{ro} = (2.1, 1.2)$$



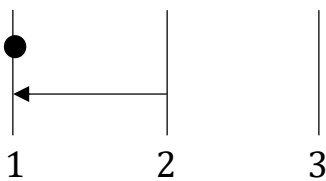
$$U^{lo}Sys^{ro} = (3.2, 2.1)$$



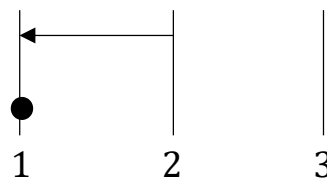
$$U^{ro}Sys^{ro} = (1.2, 2.1)$$



$$Sys^{lo}Sys^{ro} = (1.1, 2.1)$$

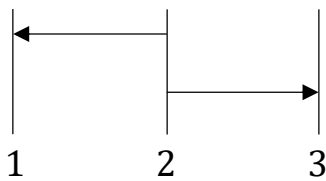


$$Sys^{ro}Sys^{lo} = (2.1, 1.1)$$

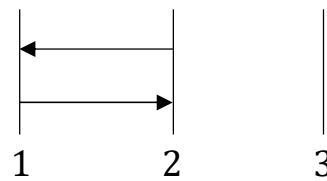


Realitätsthematik

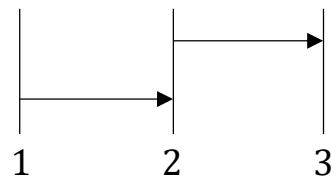
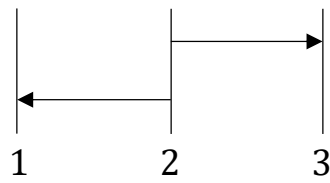
$$U^{lo}U^{ro} = (2.1, 2.3)$$



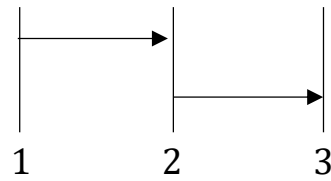
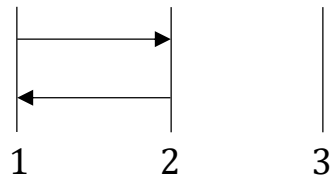
$$U^{lo}Sys^{lo} = (2.1, 1.2)$$



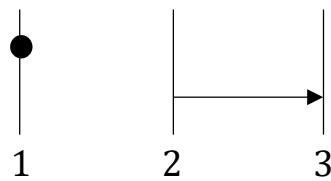
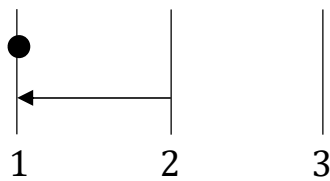
$$U^{ro}U^{lo} = (2.3, 2.1) \quad U^{ro}Sys^{lo} = (2.3, 1.2)$$



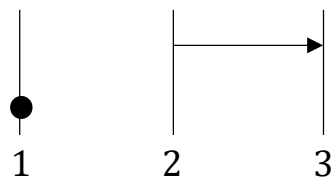
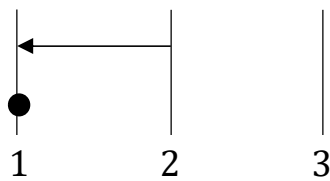
$$Sys^{lo}U^{lo} = (1.2, 2.1) \quad Sys^{lo}U^{ro} = (1.2, 2.3)$$



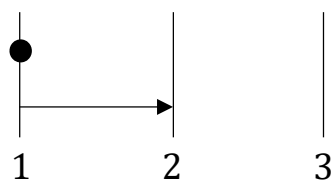
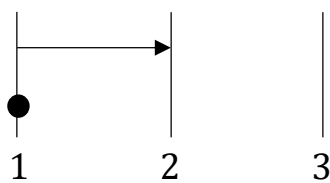
$$Sys^{ro}U^{lo} = (1.1, 2.1) \quad Sys^{ro}U^{ro} = (1.1, 2.3)$$



$$U^{lo}Sys^{ro} = (2.1, 1.1) \quad U^{ro}Sys^{ro} = (2.3, 1.1)$$



$$Sys^{lo}Sys^{ro} = (1.2, 1.1) \quad Sys^{ro}Sys^{lo} = (1.1, 1.2)$$



Literatur

Toth, Alfred, Situationale semiotische Relationen mit verschränkten Umgebungen. In: Electronic Journal for Mathematical Semiotics, 2026a

Toth, Alfred, Trajektionen situationaler semiotischer Dualsysteme. In: Electronic Journal for Mathematical Semiotics, 2026b

12.1.2026