Prof. Dr. Alfred Toth

Trajektische Systemkonversion

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

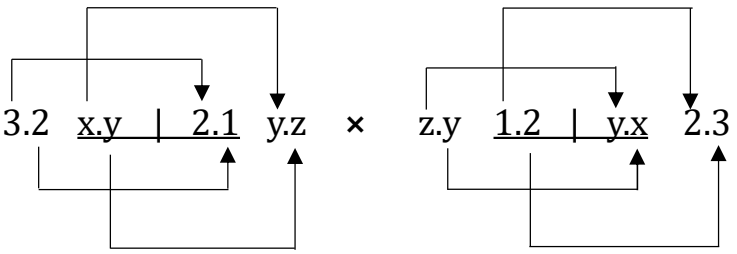
DS: ZKl = (3.x, 2.y, 1.z) × RTh = (z.1, y.2, x.3)

und bilden die Trajektion. Zusätzlich geben wir die systemischen Funktionen der trajektischen Teilrelationen an (vgl. Toth 2026).

3.2 x.y | 2.1 y.z × z.y 1.2 | y.x 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

Wenn wir nun zusätzlich über den trajektischen Rand hinaus Trajektionen der systemischen Teilrelationen nach dem folgenden Schema bilden



erhalten wir neue Dualsysteme, deren Systemrelation sich chiastisch zu derjenigen der Ausgangsrelation verhält.

3.2 x.y | 2.1 y.z × z.y 1.2 | y.x 2.3

3.2 2.1 | x.y y.z × z.y y.x | 1.2 2.3,

d.h. diese zweite, externe (den trajektischen Rand überschreitende), Trajektion bewirkt die folgende Transformation

τ: $Sys^{lo} \rightleftarrows Sys^{ro}$.

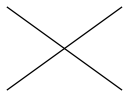
2. Im folgenden bilden wir trajektische Systemkonversionen für alle $3^3 = 27$ Relationen des vollständigen ternären semiotischen Systems.

3.2 1.1 | 2.1 1.1 × 1.1 1.2 | 1.1 2.3

3.2 2.1 | 1.1 1.1 × 1.1 1.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

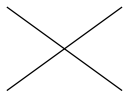
3.2 1.1 | 2.1 1.2 × 2.1 1.2 | 1.1 2.3



3.2 2.1 | 1.1 1.2 × 2.1 1.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

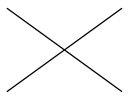
3.2 1.1 | 2.1 1.3 × 3.1 1.2 | 1.1 2.3



3.2 2.1 | 1.1 1.3 × 3.1 1.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

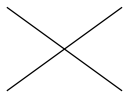
3.2 1.2 | 2.1 2.1 × 1.2 1.2 | 2.1 2.3



3.2 2.1 | 1.2 2.1 × 1.2 2.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

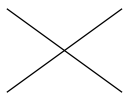
3.2 1.2 | 2.1 2.2 × 2.2 1.2 | 2.1 2.3



3.2 2.1 | 1.2 2.2 × 2.2 2.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

3.2 1.2 | 2.1 2.3 × 3.2 1.2 | 2.1 2.3



3.2 2.1 | 1.2 2.3 × 3.2 2.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

3.2 1.3 | 2.1 3.1 × 1.3 1.2 | 3.1 2.3

3.2 2.1 | 1.3 3.1 × 1.3 3.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

3.2 1.3 | 2.1 3.2 × 2.3 1.2 | 3.1 2.3

3.2 2.1 | 1.3 3.2 × 2.3 3.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

3.2 1.3 | 2.1 3.3 × 3.3 1.2 | 3.1 2.3

3.2 2.1 | 1.3 3.3 × 3.3 3.1 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

3.2 2.1 | 2.1 1.1 × 1.1 1.2 | 1.2 2.3

3.2 2.1 | 2.1 1.1 × 1.1 1.2 | 1.2 2.3

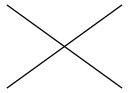
U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

3.2 2.1 | 2.1 1.2 × 2.1 1.2 | 1.2 2.3

3.2 2.1 | 2.1 1.2 × 2.1 1.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

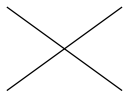
3.2 2.1 | 2.1 1.3 × 3.1 1.2 | 1.2 2.3



3.2 2.1 | 2.1 1.3 × 3.1 1.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

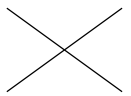
3.2 2.2 | 2.1 2.1 × 1.2 1.2 | 2.2 2.3



3.2 2.1 | 2.2 2.1 × 1.2 2.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

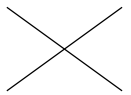
3.2 2.2 | 2.1 2.2 × 2.2 1.2 | 2.2 2.3



3.2 2.1 | 2.2 2.2 × 2.2 2.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

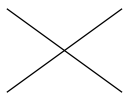
3.2 2.2 | 2.1 2.3 × 3.2 1.2 | 2.2 2.3



3.2 2.1 | 2.2 2.3 × 3.2 2.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

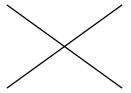
3.2 2.3 | 2.1 3.1 × 1.3 1.2 | 3.2 2.3



3.2 2.1 | 2.3 3.1 × 1.3 3.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

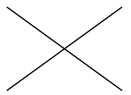
3.2 2.3 | 2.1 3.2 × 2.3 1.2 | 3.2 2.3



3.2 2.1 | 2.3 3.2 × 2.3 3.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

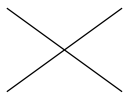
3.2 2.3 | 2.1 3.3 × 3.3 1.2 | 3.2 2.3



3.2 2.1 | 2.3 3.3 × 3.3 3.2 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

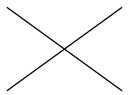
3.2 3.1 | 2.1 1.1 × 1.1 1.2 | 1.3 2.3



3.2 2.1 | 3.1 1.1 × 1.1 1.3 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

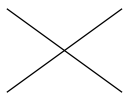
3.2 3.1 | 2.1 1.2 × 2.1 1.2 | 1.3 2.3



3.2 2.1 | 3.1 1.2 × 2.1 1.3 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

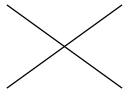
3.2 3.1 | 2.1 1.3 × 3.1 1.2 | 1.3 2.3



3.2 2.1 | 3.1 1.3 × 3.1 1.3 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

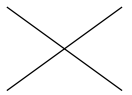
3.2 3.2 | 2.1 2.1 × 1.2 1.2 | 2.3 2.3



3.2 2.1 | 3.2 2.1 × 1.2 2.3 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

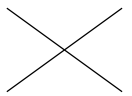
3.2 3.2 | 2.1 2.2 × 2.2 1.2 | 2.3 2.3



3.2 2.1 | 3.2 2.2 × 2.2 2.3 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

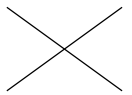
3.2 3.2 | 2.1 2.3 × 3.2 1.2 | 2.3 2.3



3.2 2.1 | 3.2 2.3 × 3.2 2.3 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

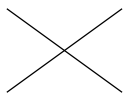
3.2 3.3 | 2.1 3.1 × 1.3 1.2 | 3.3 2.3



3.2 2.1 | 3.3 3.1 × 1.3 3.3 | 1.2 2.3

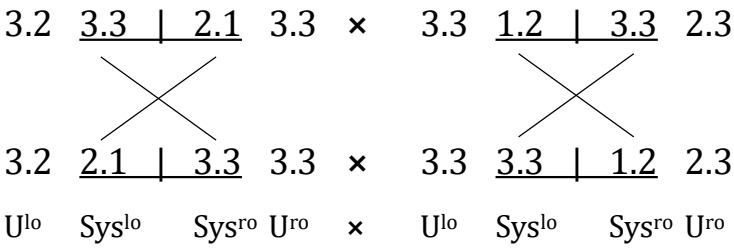
U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}

3.2 3.3 | 2.1 3.2 × 2.3 1.2 | 3.3 2.3



3.2 2.1 | 3.3 3.2 × 2.3 3.3 | 1.2 2.3

U^{lo} Sys^{lo} Sys^{ro} U^{ro} × U^{lo} Sys^{lo} Sys^{ro} U^{ro}



Literatur

Toth, Alfred, Systeme und Umgebungen semiotischer Dualsysteme. In: Electronic Journal for Mathematical Semiotics, 2026

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