

Prof. Dr. Alfred Toth

## Das thematisch verdoppelte System der 27 semiotischen Dualsysteme

1. Thematische Inversion wird wie folgt definiert (vgl. Toth 2026a)

$$\text{Inv}(\text{them})((XX) \rightarrow Y) = X \leftarrow (YY)$$

$$\text{Inv}(\text{them})((x.1, x.2) \rightarrow y.3) = x.1 \leftarrow (y.2, y.3)$$

$$\text{z.B. } \text{Inv}(\text{them})((2.1, 3.2) \rightarrow 1.3) = 2.1 \leftarrow (1.2, 1.3).$$

2. Im folgenden präsentieren wir die 27 semiotischen Dualsysteme der vollständigen ternären Zeichenrelation zuzüglich ihrer thematisch inversen Dualsysteme. Wo der Operator  $\text{Inv}(\text{them})$  nicht als Identifikator wirkt (in 9 Fällen), d.h. wo er einen Wechsel des Dualsystems (vgl. Toth 2026b) bewirkt (in 18 Fällen), wird das jeweilige Dualsystem mit Asterisk markiert.

|     |     |     |   |     |     |     |   |
|-----|-----|-----|---|-----|-----|-----|---|
| 3.1 | 2.1 | 1.1 | × | 1.1 | 1.2 | 1.3 |   |
| 3.1 | 2.1 | 1.1 | × | 1.1 | 1.2 | 1.3 |   |
| 3.1 | 2.1 | 1.2 | × | 2.1 | 1.2 | 1.3 |   |
| 3.1 | 2.1 | 1.2 | × | 2.1 | 1.2 | 1.3 |   |
| 3.1 | 2.1 | 1.3 | × | 3.1 | 1.2 | 1.3 |   |
| 3.1 | 2.1 | 1.3 | × | 3.1 | 1.2 | 1.3 |   |
| 3.1 | 2.2 | 1.1 | × | 1.1 | 2.2 | 1.3 |   |
| 3.1 | 2.1 | 1.1 | × | 1.1 | 1.2 | 1.3 | * |
| 3.1 | 2.2 | 1.2 | × | 2.1 | 2.2 | 1.3 |   |
| 3.1 | 2.1 | 1.2 | × | 2.1 | 1.2 | 1.3 | * |
| 3.1 | 2.2 | 1.3 | × | 3.1 | 2.2 | 1.3 |   |
| 3.1 | 2.1 | 1.3 | × | 3.1 | 1.2 | 1.3 | * |
| 3.1 | 2.3 | 1.1 | × | 1.1 | 3.2 | 1.3 |   |
| 3.1 | 2.1 | 1.1 | × | 1.1 | 1.2 | 1.3 | * |
| 3.1 | 2.3 | 1.2 | × | 2.1 | 3.2 | 1.3 |   |
| 3.1 | 2.1 | 1.2 | × | 2.1 | 1.2 | 1.3 | * |
| 3.1 | 2.3 | 1.3 | × | 3.1 | 3.2 | 1.3 |   |
| 3.1 | 2.1 | 1.3 | × | 3.1 | 1.2 | 1.3 | * |

|     |     |     |   |     |     |     |   |
|-----|-----|-----|---|-----|-----|-----|---|
| 3.2 | 2.1 | 1.1 | × | 1.1 | 1.2 | 2.3 |   |
| 3.2 | 2.2 | 1.1 | × | 1.1 | 2.2 | 2.3 | * |
| 3.2 | 2.1 | 1.2 | × | 2.1 | 1.2 | 2.3 |   |
| 3.2 | 2.2 | 1.2 | × | 2.1 | 2.2 | 2.3 | * |
| 3.2 | 2.1 | 1.3 | × | 3.1 | 1.2 | 2.3 |   |
| 3.2 | 2.2 | 1.3 | × | 3.1 | 2.2 | 2.3 | * |
| 3.2 | 2.2 | 1.1 | × | 1.1 | 2.2 | 2.3 |   |
| 3.2 | 2.2 | 1.1 | × | 1.1 | 2.2 | 2.3 |   |
| 3.2 | 2.2 | 1.2 | × | 2.1 | 2.2 | 2.3 |   |
| 3.2 | 2.2 | 1.2 | × | 2.1 | 2.2 | 2.3 |   |
| 3.2 | 2.2 | 1.3 | × | 3.1 | 2.2 | 2.3 |   |
| 3.2 | 2.2 | 1.3 | × | 3.1 | 2.2 | 2.3 |   |
| 3.2 | 2.3 | 1.1 | × | 1.1 | 3.2 | 2.3 |   |
| 3.2 | 2.2 | 1.1 | × | 1.1 | 2.2 | 2.3 | * |
| 3.2 | 2.3 | 1.2 | × | 2.1 | 3.2 | 2.3 |   |
| 3.2 | 2.2 | 1.2 | × | 2.1 | 2.2 | 2.3 | * |
| 3.2 | 2.3 | 1.3 | × | 3.1 | 3.2 | 2.3 |   |
| 3.2 | 2.2 | 1.3 | × | 3.1 | 2.2 | 2.3 | * |
| 3.3 | 2.1 | 1.1 | × | 1.1 | 1.2 | 3.3 |   |
| 3.3 | 2.3 | 1.1 | × | 1.1 | 3.2 | 3.3 | * |
| 3.3 | 2.1 | 1.2 | × | 2.1 | 1.2 | 3.3 |   |
| 3.3 | 2.3 | 1.2 | × | 2.1 | 3.2 | 3.3 | * |
| 3.3 | 2.1 | 1.3 | × | 3.1 | 1.2 | 3.3 |   |
| 3.3 | 2.3 | 1.3 | × | 3.1 | 3.2 | 3.3 | * |
| 3.3 | 2.2 | 1.1 | × | 1.1 | 2.2 | 3.3 |   |
| 3.3 | 2.3 | 1.1 | × | 1.1 | 3.2 | 3.3 | * |
| 3.3 | 2.2 | 1.2 | × | 2.1 | 2.2 | 3.3 |   |

|     |     |     |   |     |     |     |   |
|-----|-----|-----|---|-----|-----|-----|---|
| 3.3 | 2.3 | 1.2 | × | 2.1 | 3.2 | 3.3 | * |
| 3.3 | 2.2 | 1.3 | × | 3.1 | 2.2 | 3.3 |   |
| 3.3 | 2.3 | 1.3 | × | 3.1 | 3.2 | 3.3 | * |
| 3.3 | 2.3 | 1.1 | × | 1.1 | 3.2 | 3.3 |   |
| 3.3 | 2.3 | 1.1 | × | 1.1 | 3.2 | 3.3 |   |
| 3.3 | 2.3 | 1.2 | × | 2.1 | 3.2 | 3.3 |   |
| 3.3 | 2.3 | 1.2 | × | 2.1 | 3.2 | 3.3 |   |
| 3.3 | 2.3 | 1.3 | × | 3.1 | 3.2 | 3.3 |   |
| 3.3 | 2.3 | 1.3 | × | 3.1 | 3.2 | 3.3 |   |

## Literatur

Toth, Alfred, Thematische Inversion. In: Electronic Journal for Mathematical Semiotics, 2026a

Toth, Alfred, Wechsel entitätischer Realitäten durch thematische Inversion. In: Electronic Journal for Mathematical Semiotics, 2026b

9.2.2026