

Dualsysteme, Situationssysteme und reduzierte Situationssysteme

1. Im folgenden wird eine Übersicht über die drei nach dem gegenwärtigen Stand der Forschung verwendeten konkomitanten semiotischen Relationen gegeben: Dualsysteme, Situationssysteme und die erst kürzlich eingeführten reduzierten Situationssysteme (vgl. Toth 2025a, b).

2. Die 27 dreifachen Dualsysteme

1. Dualsystem

$$(3.1, 2.1, 1.1) \times (1.1, 1.2, 1.3)$$

$$(3_A.2_R, 1_A.1_R \mid 2_R.1_I, 1_R.1_I) \times (1_A.1_R, 1_A.2_R \mid 1_R.1_I, 2_R.3_I)$$

$$((1_A.1_R \mid 2_R.1_I), (3_A.1_R \mid 2_R.1_I)) \times ((1_A.2_R \mid 1_R.1_I), (1_A.2_R \mid 1_R.3_I))$$

2. Dualsystem

$$(3.1, 2.1, 1.2) \times (2.1, 1.2, 1.3)$$

$$(3_A.2_R, 1_A.1_R \mid 2_R.1_I, 1_R.2_I) \times (2_A.1_R, 1_A.2_R \mid 1_R.1_I, 2_R.3_I)$$

$$((1_A.1_R \mid 2_R.1_I), (3_A.1_R \mid 2_R.2_I)) \times ((1_A.2_R \mid 1_R.1_I), (2_A.2_R \mid 1_R.3_I))$$

3. Dualsystem

$$(3.1, 2.1, 1.3) \times (3.1, 1.2, 1.3)$$

$$(3_A.2_R, 1_A.1_R \mid 2_R.1_I, 1_R.3_I) \times (3_A.1_R, 1_A.2_R \mid 1_R.1_I, 2_R.3_I)$$

$$((1_A.1_R \mid 2_R.1_I), (3_A.1_R \mid 2_R.3_I)) \times ((1_A.2_R \mid 1_R.1_I), (3_A.2_R \mid 1_R.3_I))$$

4. Dualsystem

$$(3.1, 2.2, 1.1) \times (1.1, 2.2, 1.3)$$

$$(3_A.2_R, 1_A.2_R \mid 2_R.1_I, 2_R.1_I) \times (1_A.2_R, 1_A.2_R \mid 2_R.1_I, 2_R.3_I)$$

$$((1_A.2_R \mid 2_R.1_I), (3_A.2_R \mid 2_R.1_I)) \times ((1_A.2_R \mid 2_R.1_I), (1_A.2_R \mid 2_R.3_I))$$

5. Dualsystem

$$(3.1, 2.2, 1.2) \times (2.1, 2.2, 1.3)$$

$$(3_A.2_R, 1_A.2_R \mid 2_R.1_I, 2_R.2_I) \times (2_A.2_R, 1_A.2_R \mid 2_R.1_I, 2_R.3_I)$$

$$((1_A.2_R \mid 2_R.1_I), (3_A.2_R \mid 2_R.2_I)) \times ((1_A.2_R \mid 2_R.1_I), (2_A.2_R \mid 2_R.3_I))$$

6. Dualsystem

$$(3.1, 2.2, 1.3) \times (3.1, 2.2, 1.3)$$

$$(3_{A.2R}, 1_{A.2R} \mid 2_{R.1I}, 2_{R.3I}) \times (3_{A.2R}, 1_{A.2R} \mid 2_{R.1I}, 2_{R.3I})$$

$$((1_{A.2R} \mid 2_{R.1I}), (3_{A.2R} \mid 2_{R.3I})) \times ((1_{A.2R} \mid 2_{R.1I}), (3_{A.2R} \mid 2_{R.3I}))$$

7. Dualsystem

$$(3.1, 2.3, 1.1) \times (1.1, 3.2, 1.3)$$

$$(3_{A.2R}, 1_{A.3R} \mid 2_{R.1I}, 3_{R.1I}) \times (1_{A.3R}, 1_{A.2R} \mid 3_{R.1I}, 2_{R.3I})$$

$$((1_{A.3R} \mid 2_{R.1I}), (3_{A.3R} \mid 2_{R.1I})) \times ((1_{A.2R} \mid 3_{R.1I}), (1_{A.2R} \mid 3_{R.3I}))$$

8. Dualsystem

$$(3.1, 2.3, 1.2) \times (2.1, 3.2, 1.3)$$

$$(3_{A.2R}, 1_{A.3R} \mid 2_{R.1I}, 3_{R.2I}) \times (2_{A.3R}, 1_{A.2R} \mid 3_{R.1I}, 2_{R.3I})$$

$$((1_{A.3R} \mid 2_{R.1I}), (3_{A.3R} \mid 2_{R.2I})) \times ((1_{A.2R} \mid 3_{R.1I}), (2_{A.2R} \mid 3_{R.3I}))$$

9. Dualsystem

$$(3.1, 2.3, 1.3) \times (3.1, 3.2, 1.3)$$

$$(3_{A.2R}, 1_{A.3R} \mid 2_{R.1I}, 3_{R.3I}) \times (3_{A.3R}, 1_{A.2R} \mid 3_{R.1I}, 2_{R.3I})$$

$$((1_{A.3R} \mid 2_{R.1I}), (3_{A.3R} \mid 2_{R.3I})) \times ((1_{A.2R} \mid 3_{R.1I}), (3_{A.2R} \mid 3_{R.3I}))$$

10. Dualsystem

$$(3.2, 2.1, 1.1) \times (1.1, 1.2, 2.3)$$

$$(3_{A.2R}, 2_{A.1R} \mid 2_{R.1I}, 1_{R.1I}) \times (1_{A.1R}, 1_{A.2R} \mid 1_{R.2I}, 2_{R.3I})$$

$$((2_{A.1R} \mid 2_{R.1I}), (3_{A.1R} \mid 2_{R.1I})) \times ((1_{A.2R} \mid 1_{R.2I}), (1_{A.2R} \mid 1_{R.3I}))$$

11. Dualsystem

$$(3.2, 2.1, 1.2) \times (2.1, 1.2, 2.3)$$

$$(3_{A.2R}, 2_{A.1R} \mid 2_{R.1I}, 1_{R.2I}) \times (2_{A.1R}, 1_{A.2R} \mid 1_{R.2I}, 2_{R.3I})$$

$$((2_{A.1R} \mid 2_{R.1I}), (3_{A.1R} \mid 2_{R.2I})) \times ((1_{A.2R} \mid 1_{R.2I}), (2_{A.2R} \mid 1_{R.3I}))$$

12. Dualsystem

$$(3.2, 2.1, 1.3) \times (3.1, 1.2, 2.3)$$

$$(3_{A.2R}, 2_{A.1R} \mid 2_{R.1I}, 1_{R.3I}) \times (3_{A.1R}, 1_{A.2R} \mid 1_{R.2I}, 2_{R.3I})$$

$$((2_A.1_R \mid 2_R.1_I), (3_A.y_R \mid 2_R.3_I)) \times ((1_A.2_R \mid 1_R.2_I), (3_A.2_R \mid 1_R.3_I))$$

13. Dualsystem

$$(3.2, 2.2, 1.1) \times (1.1, 2.2, 2.3)$$

$$(3_A.2_R, 2_A.2_R \mid 2_R.1_I, 2_R.1_I) \times (1_A.2_R, 1_A.2_R \mid 2_R.2_I, 2_R.3_I)$$

$$((2_A.y_R \mid 2_R.1_I), (3_A.2_R \mid 2_R.1_I)) \times ((1_A.2_R \mid 2_R.2_I), (1_A.2_R \mid 2_R.3_I))$$

14. Dualsystem

$$(3.2, 2.2, 1.2) \times (2.1, 2.2, 2.3)$$

$$(3_A.2_R, 2_A.2_R \mid 2_R.1_I, 2_R.2_I) \times (2_A.2_R, 1_A.2_R \mid 2_R.2_I, 2_R.3_I)$$

$$((2_A.2_R \mid 2_R.1_I), (3_A.2_R \mid 2_R.2_I)) \times ((1_A.2_R \mid 2_R.2_I), (2_A.2_R \mid 2_R.3_I))$$

15. Dualsystem

$$(3.2, 2.2, 1.3) \times (3.1, 2.2, 2.3)$$

$$(3_A.2_R, 2_A.2_R \mid 2_R.1_I, 2_R.3_I) \times (3_A.2_R, 1_A.2_R \mid 2_R.2_I, 2_R.3_I)$$

$$((2_A.2_R \mid 2_R.1_I), (3_A.2_R \mid 2_R.3_I)) \times ((1_A.2_R \mid 2_R.2_I), (3_A.2_R \mid 2_R.3_I))$$

16. Dualsystem

$$(3.2, 2.3, 1.1) \times (1.1, 3.2, 2.3)$$

$$(3_A.2_R, 2_A.3_R \mid 2_R.1_I, 3_R.1_I) \times (1_A.3_R, 1_A.2_R \mid 3_R.2_I, 2_R.3_I)$$

$$((2_A.3_R \mid 2_R.1_I), (3_A.3_R \mid 2_R.1_I)) \times ((1_A.2_R \mid 3_R.2_I), (1_A.2_R \mid 3_R.3_I))$$

17. Dualsystem

$$(3.2, 2.3, 1.2) \times (2.1, 3.2, 2.3)$$

$$(3_A.2_R, 2_A.3_R \mid 2_R.1_I, 3_R.2_I) \times (2_A.3_R, 1_A.2_R \mid 3_R.2_I, 2_R.3_I)$$

$$((2_A.3_R \mid 2_R.1_I), (3_A.3_R \mid 2_R.2_I)) \times ((1_A.2_R \mid 3_R.2_I), (2_A.2_R \mid 3_R.3_I))$$

18. Dualsystem

$$(3.2, 2.3, 1.3) \times (3.1, 3.2, 2.3)$$

$$(3_A.2_R, 2_A.3_R \mid 2_R.1_I, 3_R.3_I) \times (3_A.3_R, 1_A.2_R \mid 3_R.2_I, 2_R.3_I)$$

$$((2_A.3_R \mid 2_R.1_I), (3_A.3_R \mid 2_R.z_I)) \times ((1_A.2_R \mid 3_R.2_I), (z_A.2_R \mid 3_R.3_I))$$

19. Dualsystem

$$(3.3, 2.1, 1.1) \times (1.1, 1.2, 3.3)$$

$$(3_{A.2R}, 3_{A.1R} \mid 2_{R.1I}, 1_{R.1I}) \times (1_{A.1R}, 1_{A.2R} \mid 1_{R.3I}, 2_{R.3I})$$

$$((3_{A.1R} \mid 2_{R.1I}), (3_{A.1R} \mid 2_{R.1I})) \times ((1_{A.2R} \mid 1_{R.3I}), (1_{A.2R} \mid 1_{R.3I}))$$

20. Dualsystem

$$(3.3, 2.1, 1.2) \times (2.1, 1.2, 3.3)$$

$$(3_{A.2R}, 3_{A.1R} \mid 2_{R.1I}, 1_{R.2I}) \times (2_{A.1R}, 1_{A.2R} \mid 1_{R.3I}, 2_{R.3I})$$

$$((3_{A.1R} \mid 2_{R.1I}), (3_{A.1R} \mid 2_{R.2I})) \times ((1_{A.2R} \mid 1_{R.3I}), (2_{A.2R} \mid 1_{R.3I}))$$

21. Dualsystem

$$(3.3, 2.1, 1.3) \times (3.1, 1.2, 3.3)$$

$$(3_{A.2R}, 3_{A.1R} \mid 2_{R.1I}, 1_{R.3I}) \times (3_{A.1R}, 1_{A.2R} \mid 1_{R.3I}, 2_{R.3I})$$

$$((3_{A.1R} \mid 2_{R.1I}), (3_{A.1R} \mid 2_{R.3I})) \times ((1_{A.2R} \mid 1_{R.3I}), (3_{A.2R} \mid 1_{R.3I}))$$

22. Dualsystem

$$(3.3, 2.2, 1.1) \times (1.1, 2.2, 3.3)$$

$$(3_{A.2R}, 3_{A.2R} \mid 2_{R.1I}, 2_{R.1I}) \times (1_{A.2R}, 1_{A.2R} \mid 2_{R.3I}, 2_{R.3I})$$

$$((3_{A.2R} \mid 2_{R.1I}), (3_{A.2R} \mid 2_{R.1I})) \times ((1_{A.2R} \mid 2_{R.3I}), (1_{A.2R} \mid 2_{R.3I}))$$

23. Dualsystem

$$(3.3, 2.2, 1.2) \times (2.1, 2.2, 3.3)$$

$$(3_{A.2R}, 3_{A.2R} \mid 2_{R.1I}, 2_{R.2I}) \times (2_{A.2R}, 1_{A.2R} \mid 2_{R.3I}, 2_{R.3I})$$

$$((3_{A.2R} \mid 2_{R.1I}), (3_{A.2R} \mid 2_{R.2I})) \times ((1_{A.2R} \mid 2_{R.3I}), (2_{A.2R} \mid 2_{R.3I}))$$

24. Dualsystem

$$(3.3, 2.2, 1.3) \times (3.1, 2.2, 3.3)$$

$$(3_{A.2R}, 3_{A.2R} \mid 2_{R.1I}, 2_{R.3I}) \times (3_{A.2R}, 1_{A.2R} \mid 2_{R.3I}, 2_{R.3I})$$

$$((3_{A.2R} \mid 2_{R.1I}), (3_{A.2R} \mid 2_{R.3I})) \times ((1_{A.2R} \mid 2_{R.3I}), (3_{A.2R} \mid 2_{R.3I}))$$

25. Dualsystem

$$(3.3, 2.3, 1.1) \times (1.1, 3.2, 3.3)$$

$$(3_{A.2R}, 3_{A.3R} \mid 2_{R.1I}, 3_{R.1I}) \times (1_{A.3R}, 1_{A.2R} \mid 3_{R.3I}, 2_{R.3I})$$

$$((x_{A.yR} \mid 2_{R.1I}), (3_{A.yR} \mid 2_{R.zI})) \times ((1_{A.2R} \mid y_{R.xI}), (z_{A.2R} \mid y_{R.3I}))$$

26. Dualsystem

$$(3.3, 2.3, 1.2) \times (2.1, 3.2, 3.3)$$

$$(3_A.2_R, 3_A.3_R \mid 2_R.1_I, 3_R.2_I) \times (2_A.3_R, 1_A.2_R \mid 3_R.3_I, 2_R.3_I)$$

$$((3_A.3_R \mid 2_R.1_I), (3_A.3_R \mid 2_R.2_I)) \times ((1_A.2_R \mid 3_R.3_I), (2_A.2_R \mid 3_R.3_I))$$

27. Dualsystem

$$(3.3, 2.3, 1.3) \times (3.1, 3.2, 3.3)$$

$$(3_A.2_R, 3_A.3_R \mid 2_R.1_I, 3_R.3_I) \times (3_A.3_R, 1_A.2_R \mid 3_R.3_I, 2_R.3_I)$$

$$((3_A.3_R \mid 2_R.1_I), (3_A.3_R \mid 2_R.3_I)) \times ((1_A.2_R \mid 3_R.3_I), (3_A.2_R \mid 3_R.3_I))$$

Literatur

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