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Connections of the 10 sign classes by contextural transgressions

In Toth (2009), I have shown how sub-signs change their contextures by adding or subtracting units of contexture values. In this article, I will show how the 10 Peircean sign classes hang together by inter-operators (trans-operators) based on adding or subtracting contexture values. Together with semiosis/retrosemiosic processes based on representation values or morphisms and probabilistic sign connections, we thus have here a third possibility for semiotic connections.

$(3.1_3\ 2.1_1\ 1.1_{1,3})$ × $(1.1_{3,1}\ 1.2_1\ 1.3_3)$

[-, -, (0, -2)]

$(3.1_3\ 2.1_1\ 1.2_1)$ × $(2.1_1\ 1.2_1\ 1.3_3)$

[-, -, (+2, 0,)]

$(3.1_3\ 2.1_1\ 1.3_3)$ × $(3.1_3\ 1.2_1\ 1.3_3)$

[-, (0, +2), (-2, 0)]

$(3.1_3\ 2.2_{1,2}\ 1.2_1)$ × $(2.1_1\ 2.2_{2,1}\ 1.3_3)$

[-, -, (+2, 0)]

$(3.1_3\ 2.2_{1,2}\ 1.3_3)$ × $(3.1_3\ 2.2_{2,1}\ 1.3_3)$

[-, (+1, -2), -]

$(3.1_3\ 2.3_2\ 1.3_3)$ × $(3.1_3\ 3.2_2\ 1.3_3)$

[(-1, 0), (-1, +2), (-2, 0)]

$(3.2_2\ 2.2_{1,2}\ 1.2_1)$ × $(2.1_1\ 2.2_{2,1}\ 2.3_2)$

[-, -, (+2, 0)]

$(3.2_2\ 2.2_{1,2}\ 1.3_3)$ × $(3.1_3\ 2.2_{2,1}\ 2.3_2)$

[-, (+1, -2), -]

$(3.2_2\ 2.3_2\ 1.3_3)$ × $(3.1_3\ 3.2_2\ 2.3_2)$

[(0, +3), -, -]

$(3.3_{2,3}\ 2.3_2\ 1.3_3)$ × $(3.1_3\ 3.2_2\ 3.3_{3,2})$

As one sees, two the transgression-structures are ambiguous:

[-, -, (+2, 0,)]

$$(3.1_3\ 2.1_1\ 1.2_1) \sim (3.1_3\ 2.2_{1,2}\ 1.2_1) \sim (3.2_2\ 2.2_{1,2}\ 1.2_1)$$
$$(3.1_3\ 2.1_1\ 1.3_3) \sim (3.1_3\ 2.2_{1,2}\ 1.3_3) \sim (3.2_2\ 2.2_{1,2}\ 1.3_3)$$

[-, (+1, -2), -]

$$(3.1_3\ 2.2_{1,2}\ 1.3_3) \sim (3.2_2\ 2.2_{1,2}\ 1.3_3)$$
$$(3.1_3\ 2.3_2\ 1.3_3) \sim (3.2_2\ 2.3_2\ 1.3_3)$$

Bibliography

Toth, Alfred, Contextural operations on sub-signs. In: Electronic Journal of Mathematical Semiotics, http://www.mathematical-semiotics./pdf/Cont._op._sub-signs.pdf (2009)

28.4.2009