

Ontische Funktionentheorie

1. Im Anschluß an Toth (2025a) definieren wir eine ontische Funktion durch

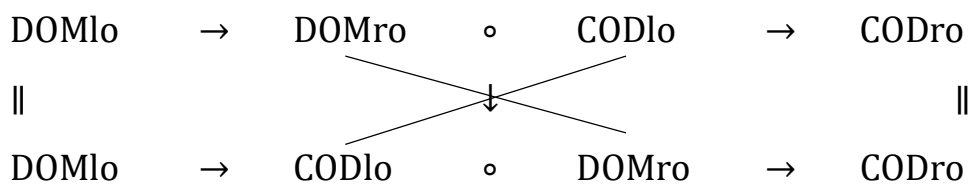
$$F = (\text{DOM}^{\text{lo}}, \text{DOM}^{\text{ro}}, \text{COD}^{\text{lo}}, \text{COD}^{\text{ro}})$$

wobei wir also die PC-Differenzierung in left und right order (vgl. Kaehr 2011, S. 28) berücksichtigen.

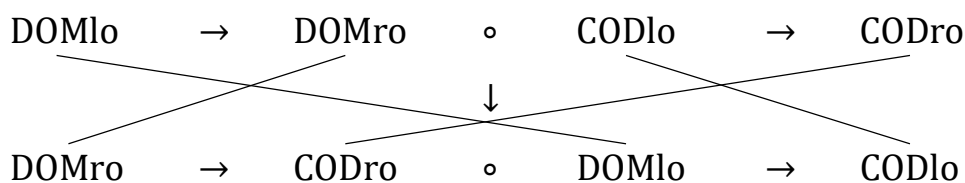
2. Bei den folgenden Grundlagen einer ontischen Funktionentheorie benutzen wir als Vorarbeiten Toth (2025b) mit den vier „Moduln“: chiastische Strukturschema, topologische Abbildungsschemata, Diamonds und Trajekto-gramme.

2.1. Chiastische Strukturschemata

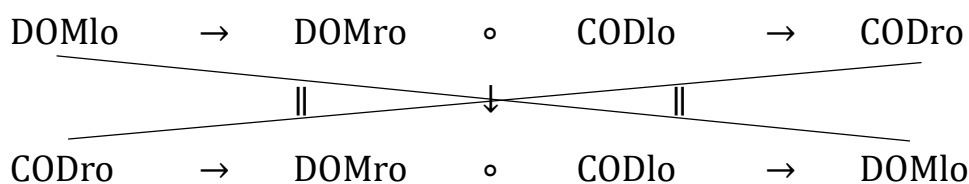
$$1. (\text{DOM}^{\text{lo}}.\text{DOM}^{\text{ro}}, \text{COD}^{\text{lo}}.\text{COD}^{\text{ro}}) \rightarrow (\text{DOM}^{\text{lo}}.\text{COD}^{\text{lo}} \mid \text{DOM}^{\text{ro}}.\text{COD}^{\text{ro}})$$



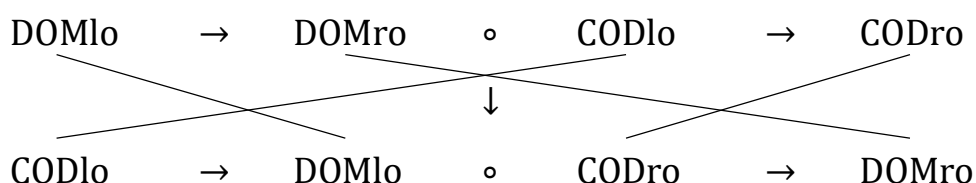
$$2. (\text{DOM}^{\text{lo}}.\text{DOM}^{\text{ro}}, \text{COD}^{\text{lo}}.\text{COD}^{\text{ro}}) \rightarrow (\text{DOM}^{\text{ro}}.\text{COD}^{\text{ro}} \mid \text{DOM}^{\text{lo}}.\text{COD}^{\text{lo}})$$



$$3. (\text{DOM}^{\text{lo}}.\text{DOM}^{\text{ro}}, \text{COD}^{\text{lo}}.\text{COD}^{\text{ro}}) \rightarrow (\text{COD}^{\text{ro}}.\text{DOM}^{\text{ro}} \mid \text{COD}^{\text{lo}}.\text{DOM}^{\text{lo}})$$

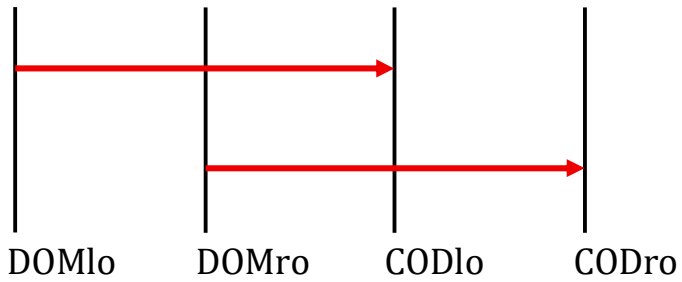


$$4. (\text{DOM}^{\text{lo}}.\text{DOM}^{\text{ro}}, \text{COD}^{\text{lo}}.\text{COD}^{\text{ro}}) \rightarrow (\text{COD}^{\text{lo}}.\text{DOM}^{\text{lo}} \mid \text{COD}^{\text{ro}}.\text{DOM}^{\text{ro}})$$

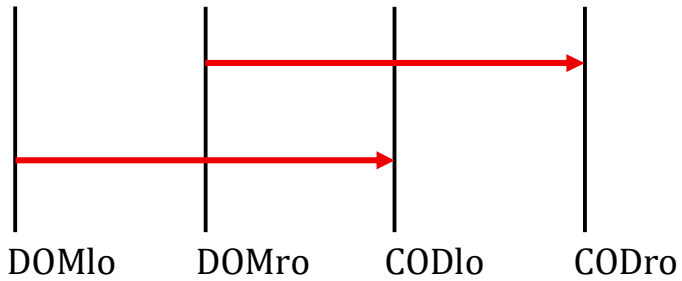


2.2. Topologische Abbildungsschemata

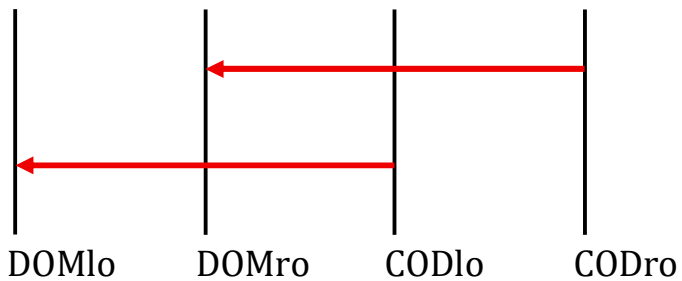
1. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{DOMlo.CODlo} \mid \text{DOMro.CODro})$



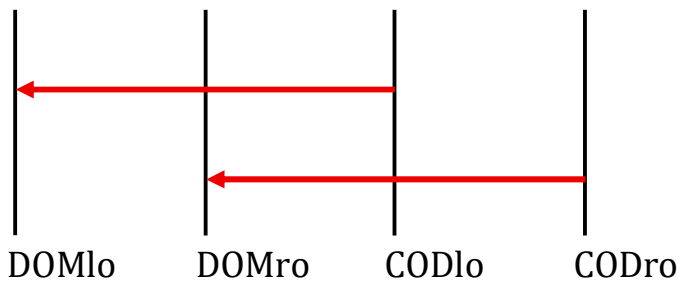
2. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{DOMro.CODro} \mid \text{DOMlo.CODlo})$



3. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{CODro.DOMro} \mid \text{CODlo.DOMlo})$

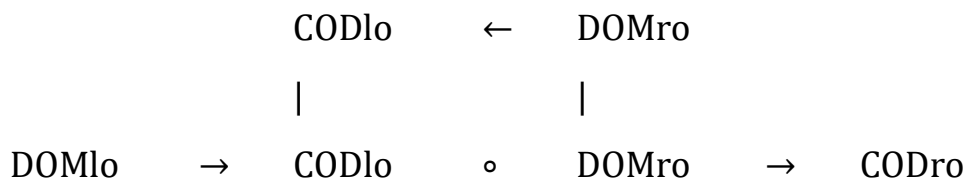


4. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{CODlo.DOMlo} \mid \text{CODro.DOMro})$

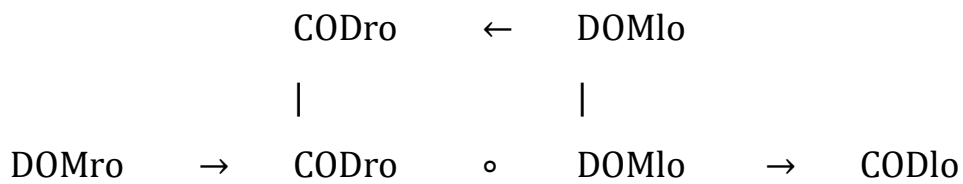


2.3. Diamonds

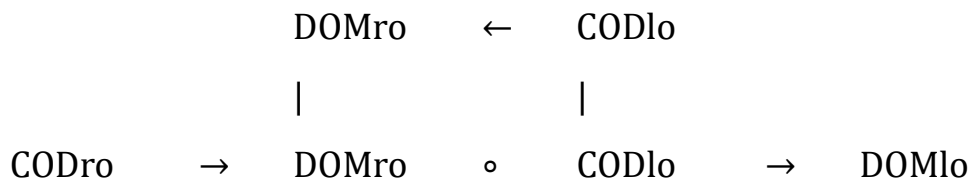
1. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{DOMlo.CODlo} \mid \text{DOMro.CODro})$



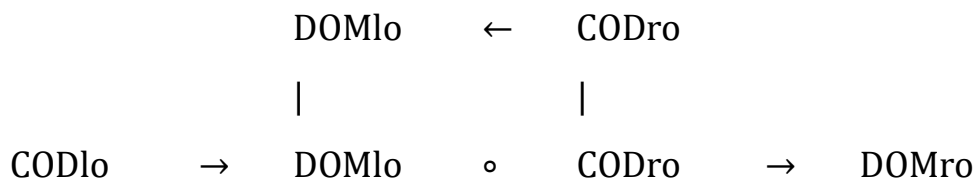
2. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{DOMro.CODro} \mid \text{DOMlo.CODlo})$



3. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{CODro.DOMro} \mid \text{CODlo.DOMlo})$

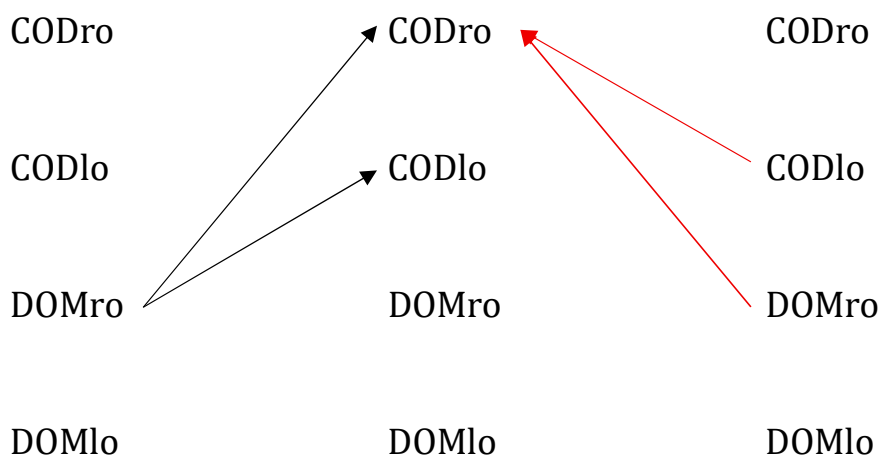


4. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{CODlo.DOMlo} \mid \text{CODro.DOMro})$

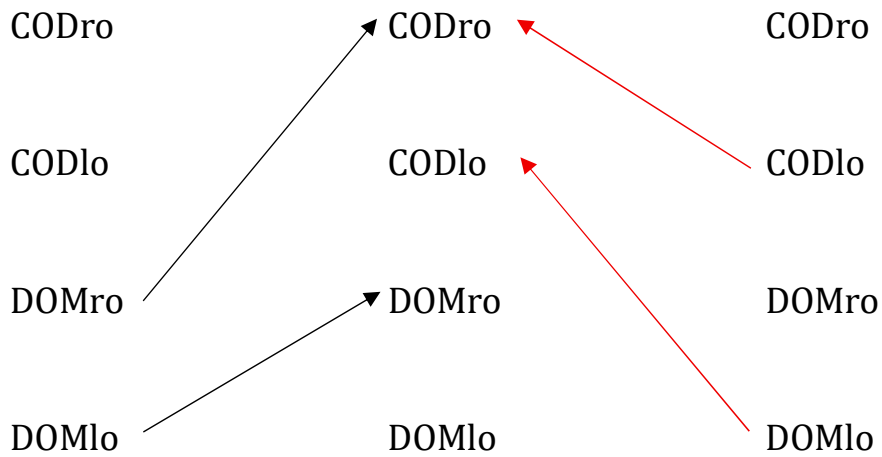


2.4. Trajektogramme

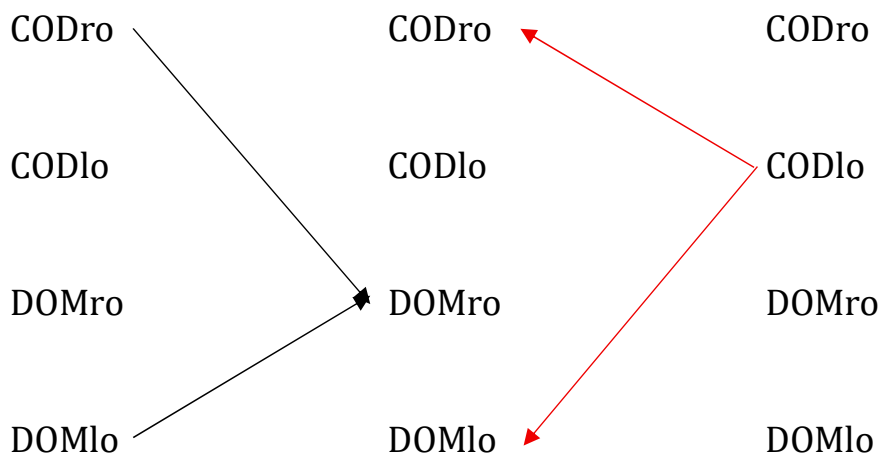
1. $(\text{DOMlo.DOMro}, \text{CODlo.CODro}) \rightarrow (\text{DOMlo.CODlo} \mid \text{DOMro.CODro})$



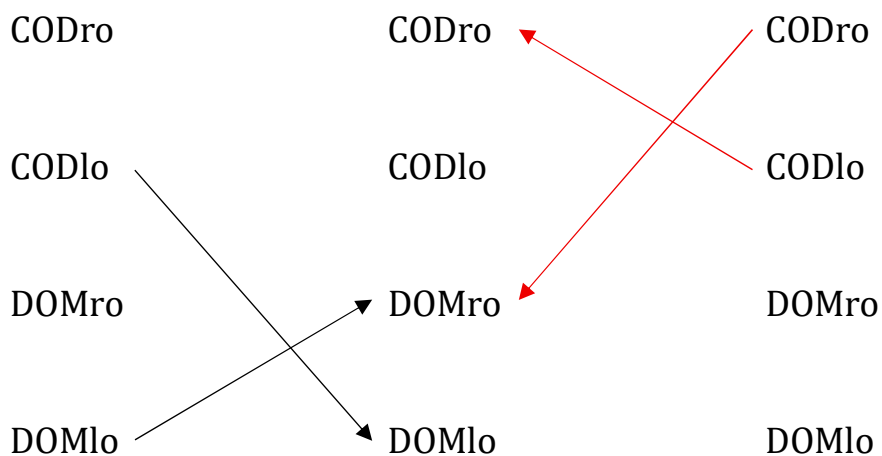
2. (DOMlo.DOMro, CODlo.CODro) → (DOMro.CODro | DOMlo.CODlo)



3. (DOMlo.DOMro, CODlo.CODro) → (CODro.DOMro | CODlo.DOMlo)



4. (DOMlo.DOMro, CODlo.CODro) → (CODlo.DOMlo | CODro.DOMro)



Literatur

Kaehr, Rudolf, Quadralectic Diamonds: Four-Foldness of Beginnings. Semiotic Studies with Toth's Theory of the Night. Glasgow, U.K. 2011

Toth, Alfred, Grundlegung einer ontischen Funktionentheorie. In: Electronic Journal for Mathematical Semiotics, 2025a

Toth, Alfred, Ontisch-semiotisches Analysemodell. In: Electronic Journal for Mathematical Semiotics, 2025b

8.12.2025