

Recursion in sign function

Albert Maršík



Contents

- Prolegomena §44, §45
- visualisation
- functions
- infinite semiosis





• sign is generated by the connexion between an *expression* and a *content*

$\bigcirc \Longleftrightarrow \bigcirc$

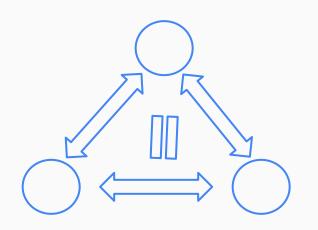
• There will always be a a solidarity between a function and (the class of) its functives

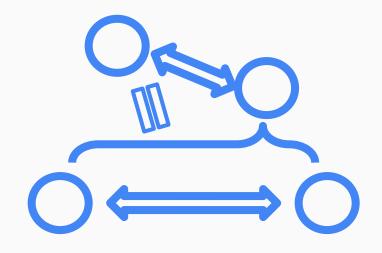




note: a function in general not a sign function specifically



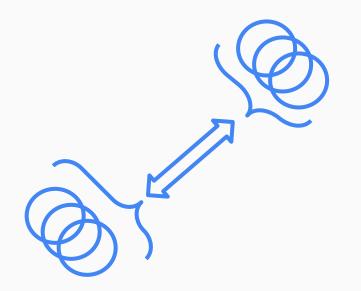






- One entity contracting multiple functions is
 - multiple functives (objects)
 - remains one entity entered and established by these functions
- If several sets of functives contract one and the same function, this means that
 - there is a solidarity between the function and the whole class of these functives,
 - and consequently each individual functive selects the function.





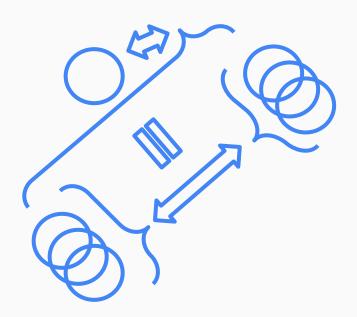
If several sets of functives contract one and the same function, this means that there is a solidarity between the function and the whole class of these functives, and consequently each individual functive selects the function.





If several sets of functives contract one and the same function, this means that there is a solidarity between the function and the whole class of these functives, and the consequently each individual functive selects the function.

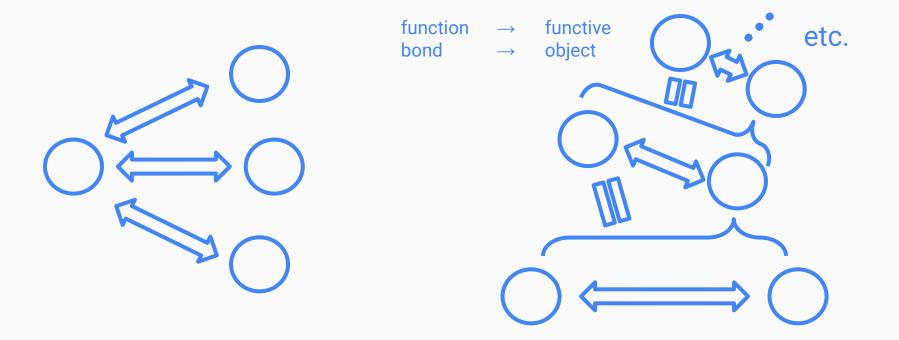




If several sets of functives contract one and the same function, this means that there is a solidarity between the function and the whole class of these functives, and the consequently each individual functive selects the function.

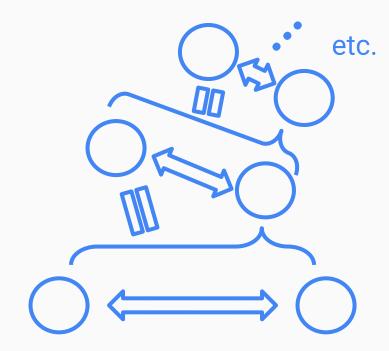


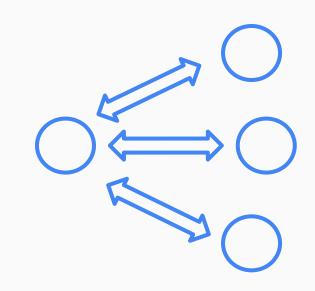
assignment of content to expression





And on and on...







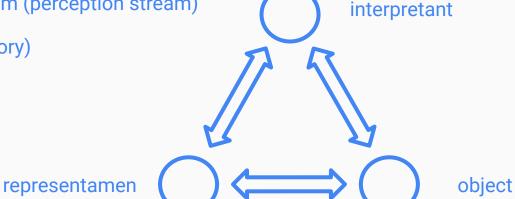
And on and on...

- Implied by the text of §44, §45
- Recursive logical structure, endlessly vanishing
- Seemingly latent and impactless



Infinite semiosis

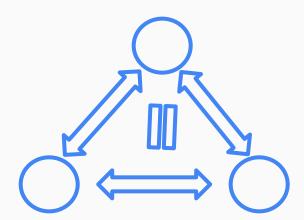
- an infinity of further signs both proceed and precede from any given sign (Atkin 2022)
- interpretant is where
 - representamen is delimited from (perception stream)
 - object is delimited from (memory)

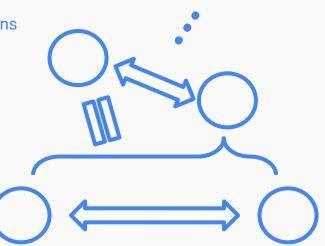




Infinite semiosis

- the sign function between expression and content becomes a constituent for the next sign
- tie between functives *X* sum of functives
- tie between functives X an individual functive
- the potential of recursion-contracted functions to become signs

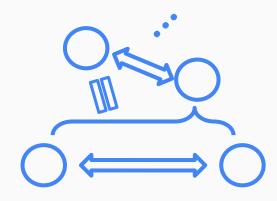


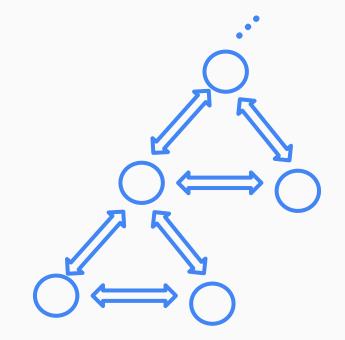




Conclusion

Partial overlap







Literature

- Atkin, A, "Peirce's Theory of Signs", The Stanford Encyclopedia of Philosophy. Fall 2022 Edition, Edward N. Zalta & Uri Nodelman (eds.)
- Barthes, R., *Mythologies*. Lavers, A. & Badmington, N. (eds.) London: Vintage Books, 2009.
- Benveniste, É., Coup d'oeil sur le développement de la linguistique. Académie des Inscription te Belles Lettres, Paris, 1963.
- Skalička, V., Structuralisme de Copenhague et le Cercle linguistique de Prague. Slovo a slovesnost, ročník 10(3), 1948.
- Vykypěl, B., Skalička Hjelmslev (Prague Copenhague). Sborník prací Filozofické fakulty brněnské univerzity. 2002, vol. 51, iss. A50.
- Krásová, E. Z hlediska smyslu..: Émile Benveniste a zrod strukturalismu. Praha: Filozofická fakulta Univerzity Karlovy, 2018
- Leška, O, Novák, P., Sur l'oeuvre de Louis Hjelmslev. Slovo a slovesnost, ročník 27(2), 1966.
- Hjelmslev, L. & Whitfield, F. J., *Prolegomena to a theory of language*. 2nd. print. Madison: University of Wisconsin Press, 1963.
- Jakobson, R & Pomorska, K.. *Dialogues*. Cambridge (Mass.): MIT Press, 1988.
- Taverniers, M., Hjelmslev's semiotic model of language: An exegesis. Semiotica, 2007.
- Woods, J., Peirce, Russell and Abductive Regression. In: SHOOK, J.R., PAAVOLA, S. (eds.), Abduction in Cognition and Action. Studies in Applied Philosophy, Epistemology and Rational Ethics, vol 59. Springer, Cham, 2021.