► GIULIA BATTILOTTI, MILOŠ BOROZAN AND ROSAPIA LAURO GROTTO, *A hypothesis on the components of judgements following Freudian theory.*
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In his essay "On Aphasia" (1891) Freud proposed that words do not refer to objects, but to non-verbal open representations of objects operated by the mind, termed thing-presentations, which can access consciousness only when closed by words. Freud's approach is somewhat unique even in an epistemological perspective, and hence allows for addressing the issue of representation in new ways, in particular the issue of formal representation. We apply the approach to formal language, investigating its consequences in logic. The analysis is supported by further reading of Freudian theory in logical terms, developed by Freud himself, by Matte Blanco and Bion. We consider quantified formulae on non-extensional domains termed infinite singletons, that formalize thing-presentations of objects. They become closed predicates only when thing-presentations are closed by words. Modal assertions are amid open and closed presentations since the modal operator of S4 can attribute a stable value, even if undefined, to the object. In the model, it can be derived by abstracting with respect to collection of infinite singletons which refer to the same object. Assuming that such an abstraction can occur in the Unconscious, an infinite singleton would be characterized, for the collection of infinite singletons referring to the object. Assuming that some form of timing for the process of abstraction is recognized (due to the contact with reality), a sort of "priming" for that process can be considered. Then one can set different independent possibilities for priming, at the origin of our conscious judgements.

[1] Battilotti, G.; Borozan, M.; Lauro Grotto, R. Infinite Singletons and the Logic of Freudian Theory, Language and Psychoanalysis 10, 2021, 46–62.

[2] Battilotti, G.; Borozan, M.; Lauro Grotto, R. A modal interpretation of quantum spins and its application to Freudian theory. Entropy 24(10), 2022, 1419.