

1103-03-180

Vincent L. Rouleau* (vlrouleau@hotmail.com). *On “propositions by testing” in logic and mathematics.*

There seems to be a concept of “proposition by testing” emerging from Jean-Yves Girard’s work, especially in phase semantics and coherence spaces. Briefly, a proposition A can be defined as a set where all elements are in a symmetrical relation with elements of another set, the “negation” of A . Although the concept is mostly relevant to (linear) logic, we will take a look at different related topics in mathematics, e.g. vector spaces, groups, MV-algebras, equivalence classes, etc. (Received August 19, 2014)