

- TALIA LEVEN, *Robinson's diagrams a tool for dealing with Skolem's criticism of formal language*.

Robinson's diagrams a tool for dealing with Skolem's criticism of formal language abstract In this paper, I wish to present Robinson's diagram as an attempt to overcome the problem of formal language, which was indicated in 1922 by Skolem as the "relativity of set-theoretical notions". Robinson's diagram is a symbolic representation of information. The diagram of a mathematical structure M is the set of all elementary sentences of one of the forms φ or $\neg\varphi$ which hold in M , where $\varphi = R(a_1, \dots, a_n)$ for any R, a_1, \dots, a_n which denotes relations of individuals a_1, \dots, a_n , in M . The diagram is syntactic and semantic at the same time. Using the diagram with the philosophical position that links semantics and syntactic it is possible to find the unique model, that is described by a set of axioms.