

Dunn, J. Michael

Partiality and its dual. (English) Zbl 0988.03012

Stud. Log. 66, No. 1, 5-40 (2000).

This paper is worth reading. A number of fundamental logical systems are under consideration, here in their semantical interconnection. The semantical approach explores allowing truth-value assignments to be undetermined or “partial” (no truth values) and overdetermined or “inconsistent” (both truth values), thus returning to an investigation of the four-valued semantics that was initiated by the author in the sixties.

Reviewer: [A.Karpenko \(Moskva\)](#)

MSC:

[03B22](#) Abstract deductive systems

[03B50](#) Many-valued logic

[03B53](#) Paraconsistent logics

[03B47](#) Substructural logics (including relevance, entailment, linear logic, Lambek calculus, BCK and BCI logics)

Cited in **49** Documents

Keywords:

generalized semantics; partial truth-value assignments; inconsistent truth-value assignments; four-valued semantics

Full Text: [DOI](#)