

Heidema, Johannes

03003

An axiom schema of comprehension of Zermelo-Fraenkel-Skolem set theory.  
*Hist. Philos. Logic* 11, No. 1, 59 – 65 (1990).

The goal of the paper is to show that acceptable instances of the Axiom of Comprehension have a common syntactic form, and that all of these instances may be used safely. "To be more precise: a uniform syntactic description will be given of those  $\varphi$  that constitute acceptable instances of ASC; it will be shown that all the axioms of comprehension current in ZFS (and some of the theorems) are acceptable instances of ASC; and it will be proved that all acceptable instances of ASC are consistent relative to standard ZFS, since they are theorems. An intuitive argument for the acceptability criterion will also be advanced in which the meaning of 'limitation of size' will be made more precise in the limited context of ASC." (page 60).

A. Garciadiego.

*Zentralblatt für Mathematik* 688 (sep 1990) 10