Francesco Strati* (francesco.strati@unisi.it). On defining $S$-spaces.

The present work is intended to be an introduction to the Superposition Theory of David Carfi. In particular I shall depict the meaning of his brand new theory: on the one hand by an informal discussion, and on the other hand by giving a formal approach of the algebraic structure of the theory: the $S$-linear algebra. This kind of framework underpins the notion of $S$-spaces by defining both its properties and its nature. Thus I shall define the $S$-triple as the fundamental principle upon which the $S$-linear algebra is built up, as a generalization of the famous Gel’fand triple. (Received August 29, 2015)