

English Abstract

During his correspondence with Leibniz, the Jesuit Joachim Bouvet established an analogy between the binary arithmetic of the philosopher and the *Xiantiantu* of Shao Yong, a diagram organising the 64 hexagrams. But this analogy raised questions, even controversies. If the two systems are analogues, then it indicates that the *Xiantiantu* could be considered as binary even mathematical, and this has implications in the history of binary arithmetic, or more broadly, in the history of logic. This is why some scholars also argue that Leibniz developed binary arithmetic by being influenced by the *Xiantiantu*, which is opposed to the usual chronology of the historical facts. This book attempts to clarify and analyse these issues by proposing innovative thesis.

Keywords

Binary arithmetic, Leibniz, *Xiantiantu*, Shao Yong, *Yijing*, Analogy, Joachim Bouvet, Transcultural philosophy