

漢字構形系統的網絡分析： 以《說文解字》小篆構形系統為例

胡佳佳*

摘要

作為世界上唯一自產生以來從未間斷而沿用至今的表意文字，漢字的規模與複雜性都是世界文字中少有的。如何將這樣一個複雜、龐大的系統描寫出來，為人所理解，一直是漢字學研究的難題。本研究借鑒複雜網絡理論與社會網絡分析方法，以漢字構形學理論為依據，以《說文解字》的小篆字形說解為材料，採用樹模型作為漢字構形的形式化表示方式，構建了反映《說文》小篆構形系統的共時漢字構形關係網絡，並對其整體與局部結構特徵進行了分析研究，以期通過網絡的分析與視覺化展示，對共時漢字構形的系統性加以論證和解釋。

關鍵字：漢字構形系統、《說文解字》、複雜網絡、社會網絡分析、圖論、樹模型

DADHIC

* 北京師範大學文學院講師，Email：hjj81@126.com。

Network Analysis of Chinese Ideography: Taking Seal Script System in “Shuowen” for Example

Jia-jia Hu*

Abstract

There may not be any other existing writing system that has the similar size or complexity like Chinese, which is considered to be the most mature ideographic system. It is always a problem for Chinese study to describe such a huge system in a readable way. This study, according to complex network theory and social network analysis, constructs the relation network of synchronic Chinese characters and does a series of studies on its global and local structural characteristics. The aim of this study is to demonstrate and explain the systematic formation of synchronic Chinese characters through analysis and visualization of the network.

Keywords: Structure Study of Chinese Ideography, “Shuowen Jiezi”, Complex Network, Social Network Analysis, Graph Theory, Tree Model

* Doctor, School of Chinese Language and Literature, Beijing Normal University, China. Email: hjj81@126.com.