

## **Exploring the Initial Structures of Dynamic Markov Modeling for Chinese Text Compression**

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### **ABSTRACT**

The paper explores the models for Dynamic Markov Compression (DMC) so that optimal compression on Chinese texts is obtained. DMC is found to be a very suitable method for the compression of Chinese texts when compared with some popular existing algorithms like LZW. By working with the special characteristics of GB2312 encoded Chinese texts, initial models which are able to exploit these characteristics to give good compression results are recognized.

**Keywords:** dynamic Markov modeling, text compression.