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## The computational power of Watson-Crick grammars: Revisited (Conference Paper)

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### Abstract

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A Watson-Crick finite automaton is one of DNA computational models using the Watson-Crick complementarity feature of deoxyribonucleic acid (DNA). We are interested in investigating a grammar counterpart of Watson-Crick automata. In this paper, we present results concerning the generative power of Watson-Crick (regular, linear, context-free) grammars. We show that the family of Watson-Crick context-free languages is included in the family of matrix languages. © Springer Nature Singapore Pte Ltd. 2016.

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