

Generating Natural Language by Labelled Stratified Graphs*

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Abstract

Various mechanisms to define and generate formal and natural languages and are known. The concept of labelled stratified graph was introduced in [8]. Since then various applications of this concept were presented. We have shown in [13] that we can generate formal languages by means of labelled stratified graphs. Now we show how we can generate random phrases in natural language using labelled stratified graphs and we make a short comparison with the phrases generated using a recursive transition network.

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Key words and phrases: Peano algebra, labelled graph, labelled stratified graph, interpretation, formal language, natural language, Recursive Transition Network

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