

## **LINEAR GRAMMARS: A FUZZY APPROACH**

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### **Abstract**

We introduce fuzzy grammar and fuzzy linear grammar with fuzzy initial state. We show that fuzzy right linear grammar is equivalent to fuzzy right linear grammar without null and unit productions. We also establish an algorithm to find fuzzy grammar in normal form corresponding to each fuzzy right linear grammar.

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Key Words : Fuzzy grammars, Fuzzy linear grammars, Fuzzy languages, Grammar in normal form.

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