Formalizing Arabic Natural Language Using Modern Computational Linguistic Theories

Aly Fahmy

Professor of Computer Science

Cairo University

El-Kamar, R. A., M.
Professor of Computer Engineering
Shoubra Faculty of Engineering Benha University

El-Said, A.
Asst Lecturer
Shoubra Faculty of Engineering Benha University

A. El-Mahdy,
Shoubra Faculty of Engineering Benha University

In this paper, we propose a Formalizing Arabic Natural Language Framework Using Modern Computational Linguistic Theories.

The proposed solution is tested using various Arabic sentences using different Modern Computational Linguistic Theories. Various structures in Arabic sentences were used in the testing process and promising results were obtained.