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The Automatic Diacritization of the standard Arabic language words between language formation and Computer processing

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ABSTRACT

The absence of the diacritics in modern Arabic text is one of the most critical problems facing computer processing of Arabic text.

Readers of Arabic can restore the proper diacritics of the text, but when it comes to computer processing, the computer still needs to be provided with algorithms to mimic the human ability to identify the proper diacritics of the text.

Such tool is an essential infrastructure for applications such as Text-to-Speech, Automatic Translation, and Arabic data mining applications (Mus. 2006).