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Cross-word modeling for Arabic speech recognition

AbuZeina, Dia, author

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Abstrak

Cross-word modeling for Arabic speech recognition utilizes phonological rules in order to model the cross-word problem, a merging of adjacent words in speech caused by continuous speech, to enhance the performance of continuous speech recognition systems. The author aims to provide an understanding of the cross-word problem and how it can be avoided, specifically focusing on Arabic phonology using an HHM-based classifier.