# Graph Similarity on the Ge'ez Writing Characters (Fidel)

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In this paper we use graph similarity measures such as graph edit distances, spectral distances and subgraph matchings to compare Ge'ez characters. Graph similarity analysis reveals relationships with possible application in character recognitions (OCR) and efficient Ge'ez font development. Geez writing system is used to write over two dozen languages in northeast Africa.

Keywords: graph similarity, graph edit distance, spectral distances, graph kernel, subgraph matching.