

VCU Discrete Mathematics Seminar

Graph Theory in the OCR of Ge'ez Writing System

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VCU!

Wednesday, Nov. 16

1:00-1:50

4145 Harris Hall

Optical Character Recognition (OCR) is a matured field for writing systems in the developed world. Research in OCR for African writing systems, however, is still in its infancy.

One of these African writing systems is the Ge'ez writing system, a writing system used for about a dozen languages of the Horn of Africa. In its current usage, the Ge'ez writing system has over 325 characters called "fidelat". There are some OCR systems for Ge'ez, but it is too early to classify any of these "mature" or "efficient".

In this talk we will look at some of these systems and see how graph theory can throw its name in the hat.

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For the Fall 2016 DM seminar schedule, see:

<http://www.people.vcu.edu/~clarson/discrete-seminar-fall-2016.html>