

ABSTRACT

Constructing a TrueType Font for the SignWriting Script with Unicode Characters Using the Graphite Rendering System

by

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based on True Type development by
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SignWriting is a complex script that requires 2-dimensional placement of glyphs.

Graphite is a special rendering system that enhances TrueType Fonts with special rules to support complex scripts.

Using FontForge, a TrueType Font was created that works with Graphite to support the 2-dimensional nature of the SignWriting script.

The use of a locally installed font eliminates the need of server side generated images, reducing network traffic and allowing for users to work offline without an internet connection.

The font has several issues to resolve before it is production ready, but demonstrates the future possibilities.

Two web pages that display some symbols in Chrome:

<http://programoj.esperanto.org.uy/sw/mini.html>

http://programoj.esperanto.org.uy/sw/Main_page_2.html