### Presentations

This is a selection of three sets of presentations at meetings and a bunch of examples for some styles that come with  $ConT_EXt$ . In MkIV some of the older styles have been dropped. There are more presentations, starting mid 1990's: some are lost, others make no sense showing (or have articles instead) and I have no time anyway to collect all of them.

We show the first four pages but you can find the complete files in the  $ConT_EXt$  distribution. This file is generated automatically so it's also a snapshot. Maybe some day I find the time to add some more.

#### bachotex-2010-clash



#### bachotex-2010-move



#### bachotex-2011-cld-and-mkvi





#### bachotex-2013-bits



#### bachotex-2013-luatex



#### bachotex-2013-sense





#### bachotex-2013-speed



#### bachotex-2015-ligatures



### bachotex-2016-opentype





#### bachotex-2016-toolbox





#### bachotex-2017-emoji-demo



#### bachotex-2017-emoji

#### **Picture Fonts**

welcome to a (beautiful) mess

Hans Hagen BachoTUG 2017

#### A Summarv

- the macro package's view: just a font like any other but it needs configure some extra color related properties
   the engine's view: depending on the technology a normal font th
- graphics "
  the viewer's view: regular outline glyphs or images tagged as kind •
- the user's view: more pictures than glyphs although some people one
- can communicate using them So in practice, for most TeX wears it's probably not a high priority forth
- more a fun one.

As each vendor came up with som formats. And or course, as eagen

Technologies

- overlapping glyphs: this technique uses the colr and cpal tables a is actually a guite clean technology, you can combine in different ways
- svg graphics: this technique uses the svg table that conta
  - bitmap graphics: this technique uses for instance sbix tables that have various graphic images
  - The first two are already supported in the CONT<u>E</u>XT font loader and proc sor for a while, the last one was added recently.
  - Only the overlapping method is useable for the tens of thousands of skis tone combinations of families, (kissing) couples, and professions.

#### Preparation

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BachoTEX

#### bachotex-2017-variablefonts-demo

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We thrive in information-thick worlds because of our marvelous and everyday capacity to se arize, itemize, review, dip into, flip through, browse, gla ter, aggregate, outline, sur

#### bachotex-2017-variablefonts

#### Variable Fonts

we're ready for them

Hans Hagen BachoTUG 2017 A Summary

- the macro package's view: just a font but with many possible variations in shapes (width, weight, slope, etc.) and therefore a bit more complex user interface the engine's view: an abstraction not different from other fonts but that needs a special treatment in the backend
- the viewer's view: a font to be displayed like any other with outlines in

So, in practice, for most  $T\underline{p}X$  users it's just a font that has to be supported by  $T\underline{p}X$  and friends.

#### Starting point

- The OpenType 1.8 specification at the MicroSoft website defined the ex-tra tables and explains bits and pieces.
- There a few fonts that have relevant tables (not all) and implement variants as well as features. There are some posts on the internet that show a bit about axis and other things that go on in these fonts.
- Luckily we have ways (in CONTEXT) to explore what goes on in these fonts and how they could look.

#### Implementation steps

- Next try to load the relevant tables and figure out what these deltas and such really mean and how axis and regions and ... have to be applied.
- · Try to make it all work on a real piece of text, so not only shapes but also
- · Finally make sure that the font can get embedded as a normal font and not as inline (tagged) graphic.
- Todo: once there are more fonts (with the right data tables), check the code with the specification



#### bachotex-2018-fonteffects



## bachotex-2018-mp





#### context-2011-ebook-export



#### context-2011-mathml-update



#### context-2011-metapost-how-we-adapt



ConT<sub>E</sub>Xt Meeting

#### context-2011-sorting-registers



#### context-2012-after-the-cleanup



#### context-2012-lexing-sources



ConT<sub>E</sub>Xt Meeting

#### context-2012-mixed-columns



#### context-2012-the-script



#### context-2012-visual-debugging



ConTEXt Meeting

#### context-2012-xml-news



#### context-2013-math



#### context-2013-speed



ConTEXt Meeting

#### context-2015-status



#### context-2016-luatex



## ConTEXt Meeting

## present-balls-001



## present-colorful-001



## present-funny-001





## Examples



### present-grow-001



## present-green-001



## Examples



#### present-punk-001



### present-original-001



## present-organic-001

#### present-random-001



### present-shaded-001



## present-split-001



## Examples

# present-stepper-001



## present-steps-001



## present-tiles-001

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## present-windows-001



