

Hacking LibreOffice Charts (Quick Start)

- Muthu Subramanian
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Agenda

- Quick Introduction
- Hacking
 - Charts core
 - OOXML Import filters
 - OOXML Export filters



Introduction

- Two types
 - One with internal data
 - The other with calc ranges
- Mostly accessed via the UNO API
- Kind of Embedded Objects
- Filter code in `xmloff/source/chart/`

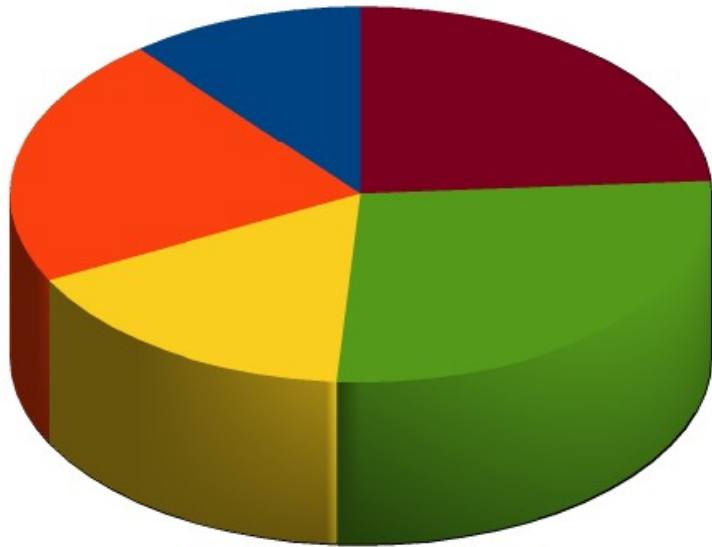


Chart core

- chart2 has four libraries: one each for:
 - view
 - controller
 - model
 - tools
- Demo patch:
<http://cgit.freedesktop.org/libreoffice/core/commit/?id=e581b9bd1cd06900efa27debbf073282b9d0908f>



Chart View



- a
- b
- c
- d
- e



- a
- b
- c
- d
- e



Chart Imports

- Demo Patch - OOXML

<http://cgit.freedesktop.org/libreoffice/core/commit?id=ac26b103af987f080ca14ad243033e5e0acda189>

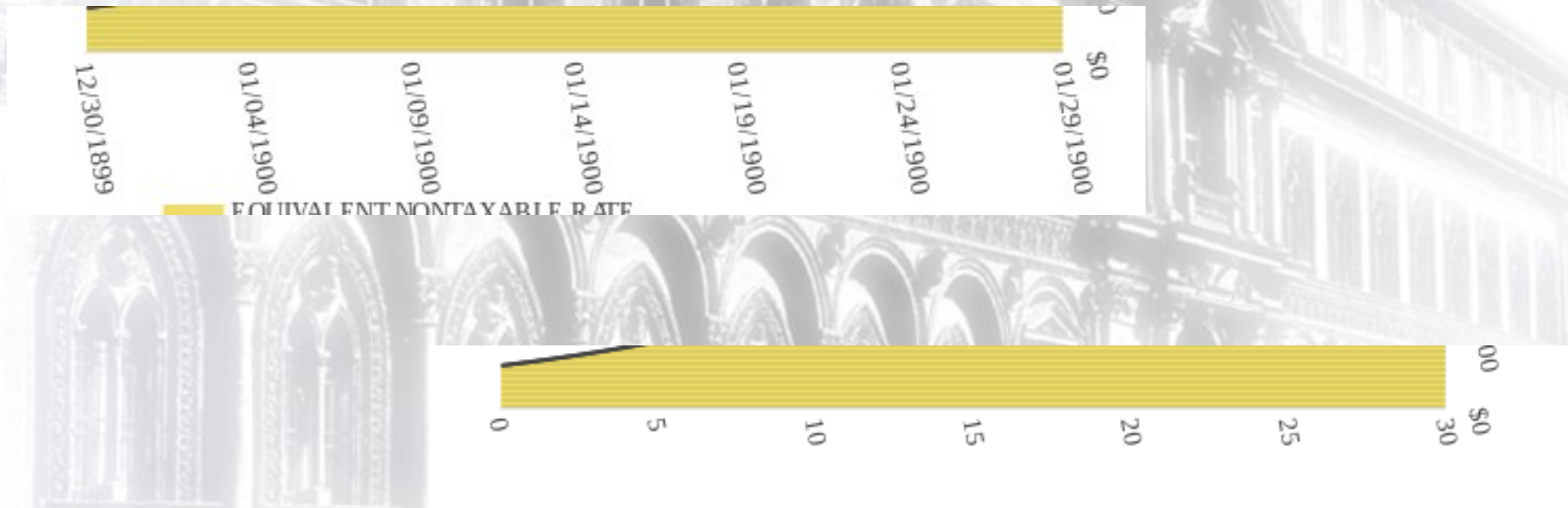


Chart Exports

- Demo Patch: None :(
- For OOXML, code lives in `oox/source/export/chartexport.cxx`



Thank you!

References

- http://wiki.openoffice.org/w/images/a/a0/DevelopersGuide_00o3.1.0_10Charts.odt
- <http://wiki.openoffice.org/wiki/Chart2>
- <http://www.openoffice.org/graphics/chart/chart2codestructure.html>

Interesting bug:

https://bugs.freedesktop.org/show_bug.cgi?id=39097

