The State of GRC Qt

Håkon Vågsether • GRCon 2022
Overview

- What & Why
- State
- Missing Features
- Frameworks
- New Features
What & Why

What

● PyQt port of GRC
● Drop-in replacement
● feature-grc-qt branch
● python -m grc --qt
● Qt code resides in grc/gui_qt

Why

● Better cross-platform support
● Consistent look
● Qt makes some things easier
State

- Most core features done
- Quite a few minor features remain
- New feature: attitude
- Works on Mac (allegedly)
- GUI testing
Missing Features

- Undo/Redo (75% done)
- Copy/Paste
- Variable editor and other widgets
- Bus ports
- Other minor features
Frameworks

- PyQt5
- GraphicsView framework
- No QML
- GUI items are subclasses of core items
New Features

- Param units
- Better docs/wiki integration
- Preferences
- Theming

- Web? Remote operation? OOT Manager?
Ideas?
Questions?
Concerns?

- GNU Radio Github repo
- feature-grc-qt branch
- python -m grc --qt

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