Custom Effect UI in Pitivi

Suhas Nayak (suhas2go@gmail.com)
Auto-generated Effect UI
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🍃 A GtkGrid with the right type of widgets for its properties are packed.
🍃 DynamicWidget API helps to manage changes to these widgets and map back the changes to the effect properties.
Auto-generated effect UI lacks familiarity.

Figure 1: Default UI for Color Balance Effect
Phase 1
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Porting Nekohayo’s work I ended up with a light weight plugin like architecture. ‘create_widget’ signal is emitted where a mapBuilder function can be used to map back widgets to the existing internal architecture. Look for glade file and use mapBuilder. Fallback to auto-generation.
Phase 2
Custom Effect Property Widgets

- Have a few custom widgets for effect properties and auto-generate the rest.
- Connect to ‘create_property_widget’ signal and return your custom widget as a DynamicWidget.
My Custom Widget

Figure 2: Basic Colorwheel Widget
Future Work
https://suhas2go.github.io