Multitonerv 0.5.0

https://github.com/graphicore/multitonener
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Mission Statement:
We make valuable [photography] Books using exclusively FLOSS.
Research:
black-and-white photography book
We need Multitone:
What does it do?
What’s it good for?

“Multitone color systems use a single-component image to specify multiple color components. In a duotone, for example, a single-component image can be used to specify both the black component and a spot color component. [...]”

— PostScript Language Reference
Image Workflow:

Source camera RAW or scanned
↓
Darktable, etc. — RAW processing
↓
Gimp — image-retouching
↓
?? — multitone magic
↓
ConTeXt — layout, typesetting
↓
Result: PDF for the print shop
There was no FLOSS to create multitone images.

But we are on a mission!
Turns out EPS can represent this.

(Thanks for the hint, Photoshop.)
Preparations:
learn (some) PostScript
enhance python-ghostscript
Made with Love and:

- Python 2.7
- Gtk+ 3 via PyGObject
- Cairo via Pycairo
- Ghostscript via python-ghostscript
- SciPy and NumPy
Live Demo
What’s missing?
color management for previews
Ghostscript bug is blocking :-(
(option -sDeviceNProfile)
Adopt Color Management:
Interfaces
Data Structure
...
Color Profile Sourcing:
Help is appreciated!
Do you know an interested and capable print shop?
Go Printing!

Version 1.0
from __future__ import:
• color profile library
• better previews without ICC-Profile
• automatic best fit curves
• “component” based separations
• automatic best separations
• high-fidelity color e.g. Hexachrome
Contribute:

- support other Operating Systems
- packaging
- write documentation
- start a Libre Printing Project
- code, of course
Thank You

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