



Tk Image Photo Enhancement

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Agenda

- About me...
 - Tk image photo today
 - CxImage
 - My project goals
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About me...

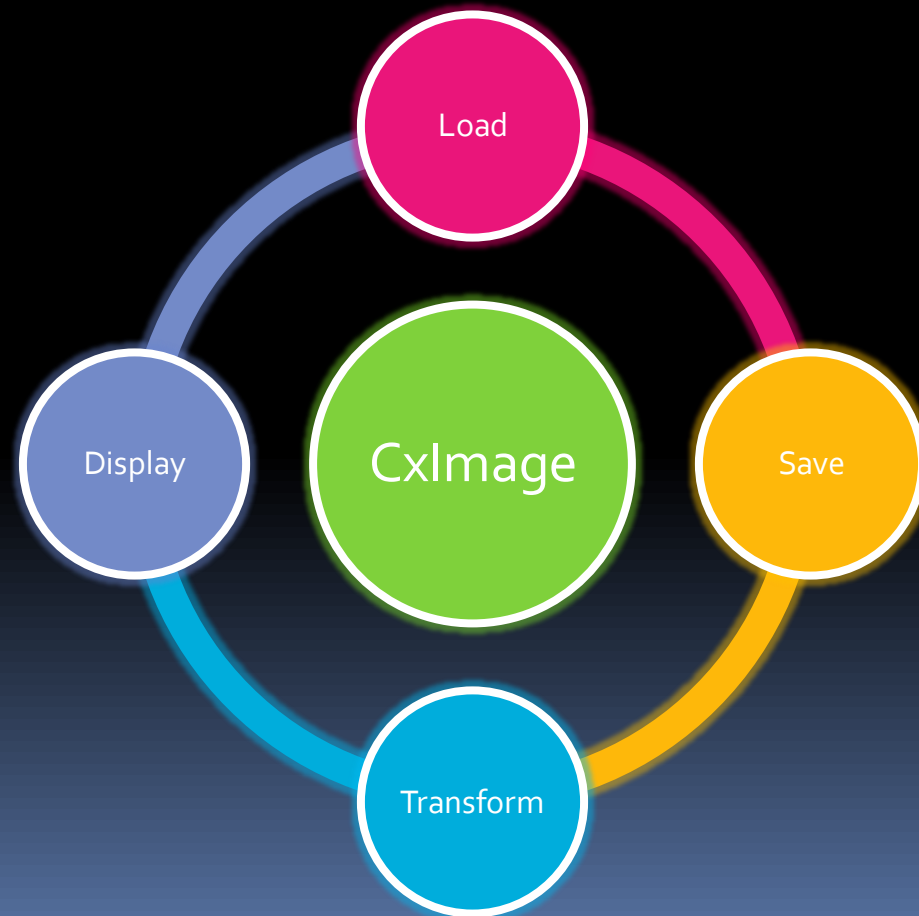
- Education :
 - Technical University of Gdansk :
 - Faculty of Applied Physics and Mathematics (5th year)
 - Faculty of Management and Economics (1st year of IT Management)
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Tk image photo today

- Creating / manipulating images and photos
- Supported formats (Tk core):
 - GIF
 - PPM
 - PNM
 - PNG (?)
- Tkimg as an extension library to standard Tk :
 - BMP, GIF, Ico, JPEG, pcx, PNG, postscript, TIFF, XPM, XBM

CxImage (C++ class)

What can CxImage do with the picture ? :



CxImage

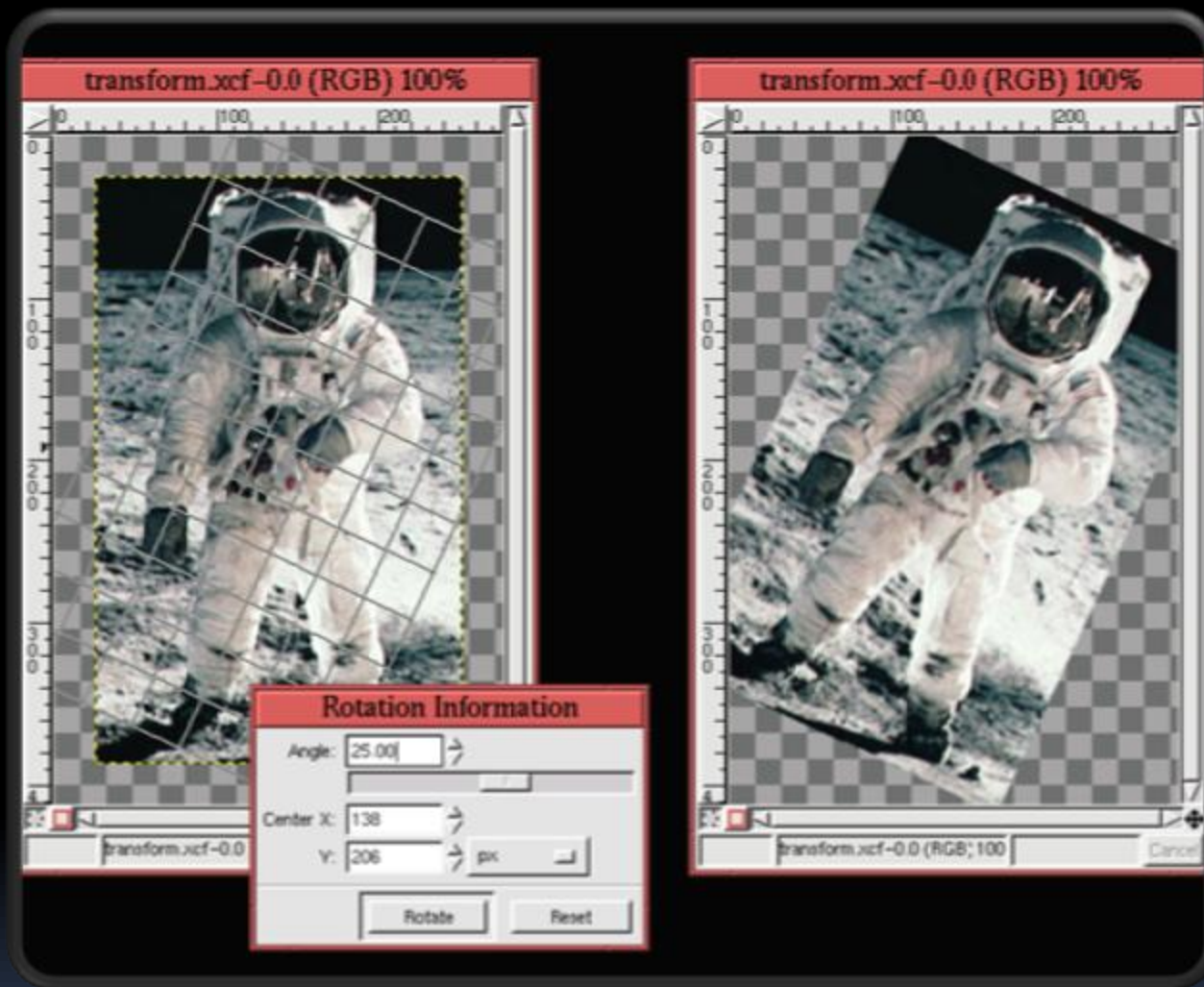
- Supported file formats are: BMP, GIF, ICO, CUR, JBG, JPG, JPC, JP2, PCX, PGX, PNG, PNM, RAS, SKA, TGA, TIF, WBMP, WMF, RAW, CRW, NEF, CR2, DNG, ORF, ARW, ERF, 3FR, DCR, X3F, MEF, RAF, MRW, PEF, SR2.
- CxImage is open source and licensed under the zlib license. In a nutshell, this means that you can use the code however you wish, as long as you don't claim it as your own.

My project goals

1. Docs and getting used to source code of CxImage, Tk 8.6 framework
2. Implement image/photo routines :
 - i. Non-integer scaling
 - ii. Rotating (float angle)
 - iii. Alpha Channel control
 - iv. Blurring, Crisping,
3. Implement photo handling for:
 - i. MNG, PNG (?)
 - ii. JPEG
4. Other image/photo routines
5. Improving performance / testing / project docs



Visualisation



Rotating (GIMP)

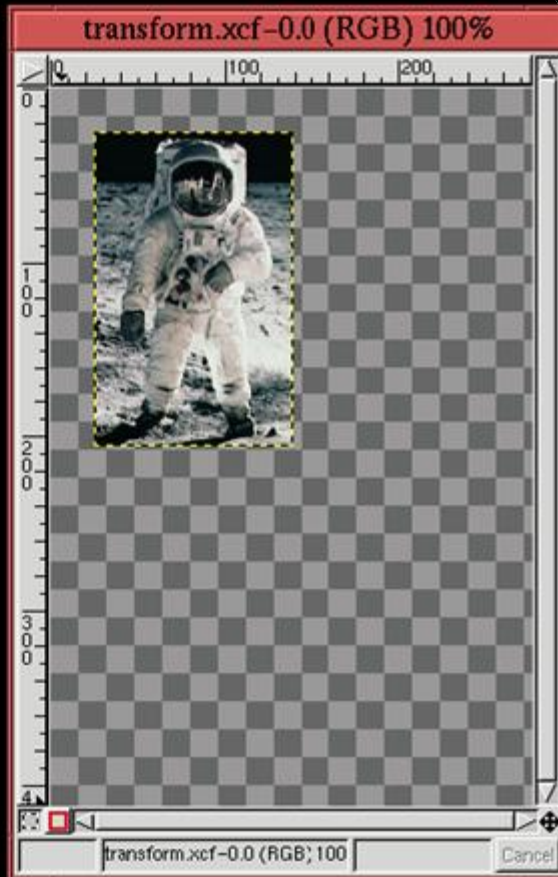


Scaling Information

Original Width: 227
Height: 362

Current Width: →
Height: → %

Scale Ratio X: 0.50
Y: 0.50



Scaling (GIMP)

Blurring



<http://wiki.tcl.tk/10521>