



# VP COURSEWORK Presentation

By

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Masters Computer Vision

Promotion 3

# Outline

- Introduction
- Features
- Snapshots
- Limitations
- Conclusions
- References
- Demo

# Introduction

- Implements some important image processing and computer vision algorithms
- Developed using open source tools
  - OpenCV
  - Qt
- Cross platform
  - linux and window

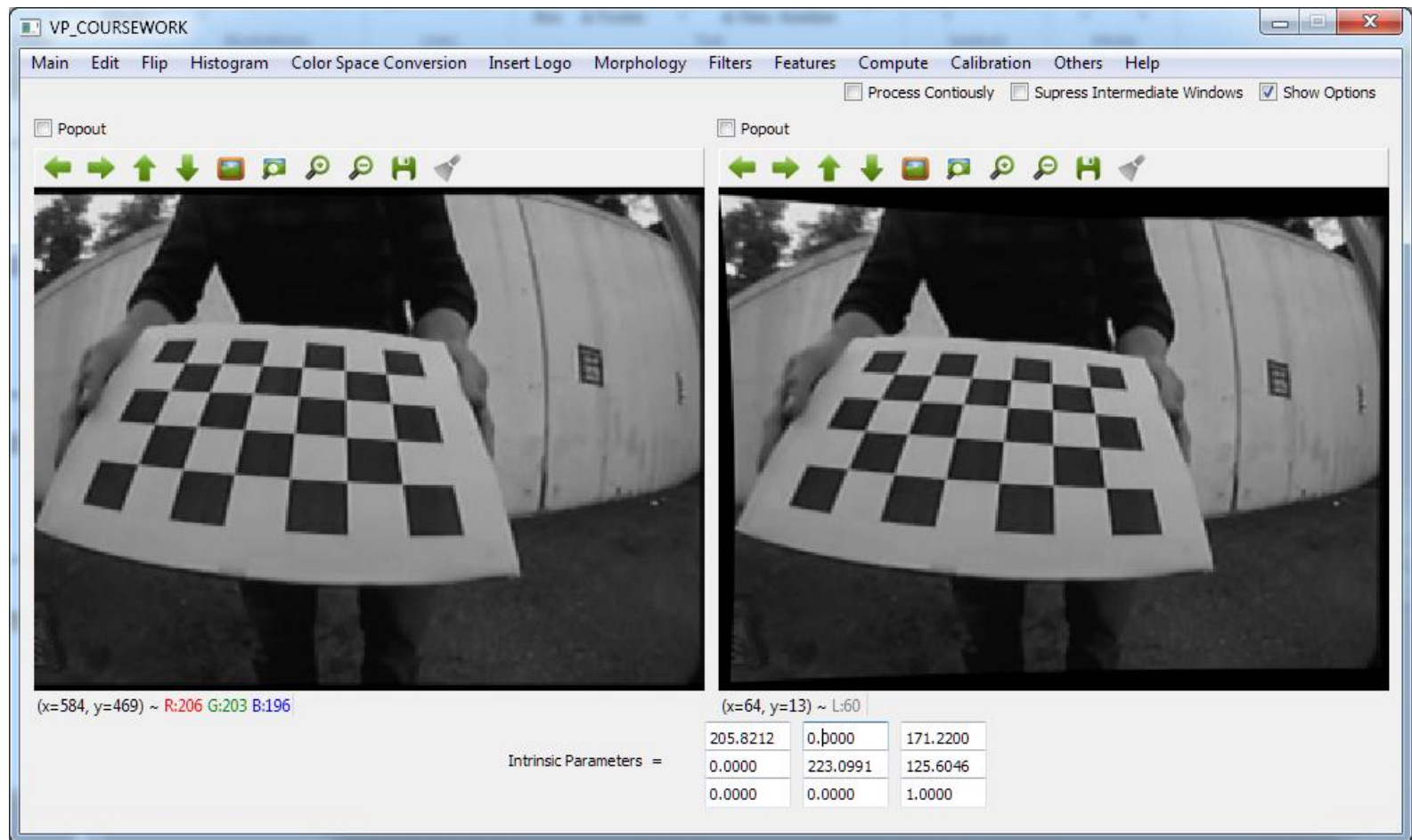
# Features

- Easy to use
  - User interactive
  - User Manual
- Input
  - Images, video and webcam
  - Select webcam from options
- Processing
  - Provision of individual/continuous processing
  - Undo/redo operations

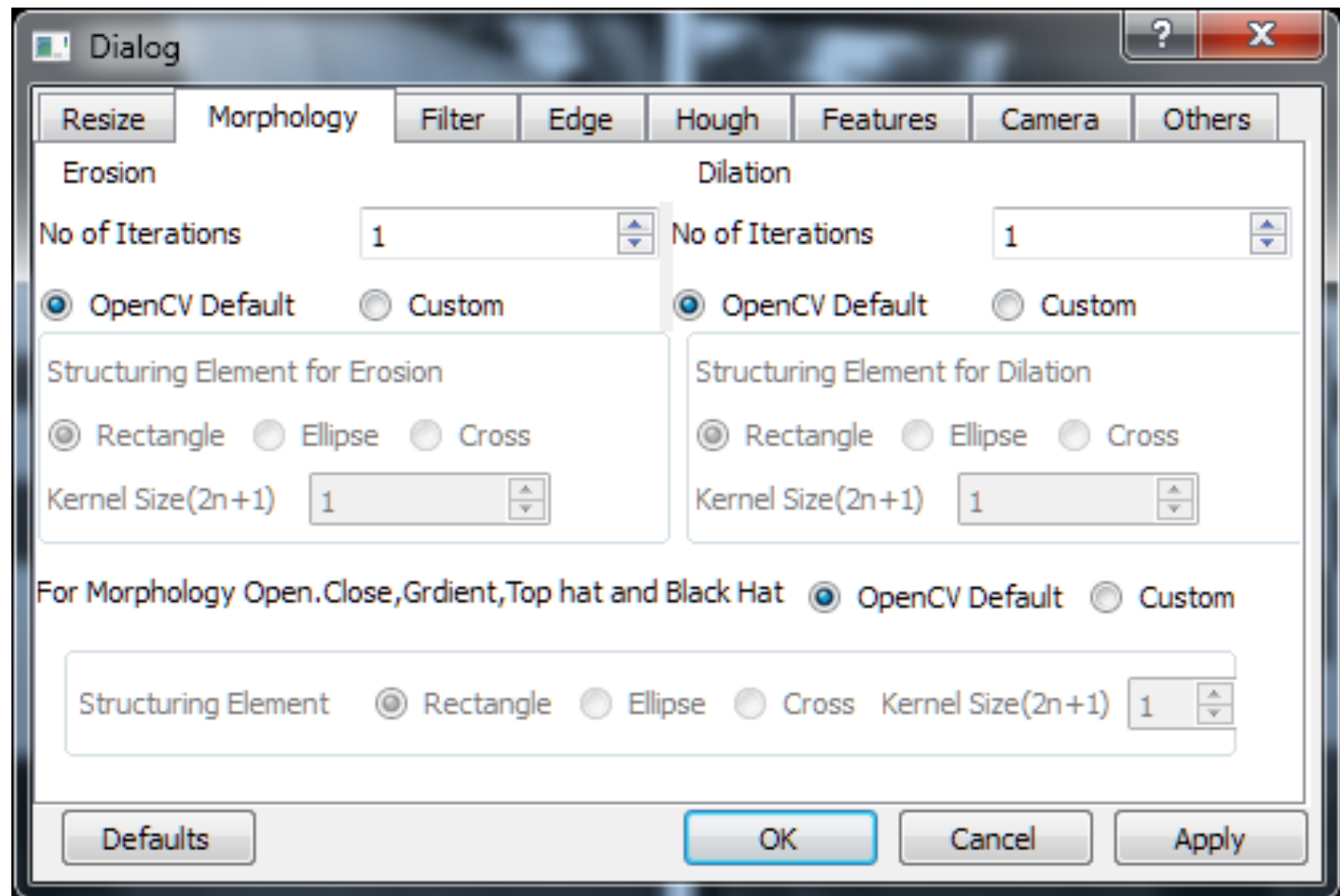
# Features

- Options
  - Changing of Parameters for functions
  - Enable/ Disable intermediate windows
- Output
  - Display in GUI
  - Popping out results in separate floating windows
  - Saving Results

# Snapshot



# Snapshots



# Limitations

- Requires Qt and Opencv library files
- Not Completely Bug free
  - Most expectations are removed
  - Bugs in Qt /OpenCv
- Only most frequently used options are in Options GUI
- Not extensively tested



# Conclusions

- User Interactive software is developed
- Software is free and open source

# References

- <http://opencv.willowgarage.com/wiki/>
- <http://docs.opencv.org/>
- <http://doc.qt.nokia.com/sdk-1.2/index.html>
- OpenCV 2 Computer Vision Application Programming Cookbook by Robert Laganière
- <http://code.google.com/p/vibot6-mscv3-se/>
- <http://code.google.com/p/qt-opencv-multithreaded/>



Demo

**THANK YOU**