

OpenCV Lib

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Chapter 1

Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

/Users/Leakey/git/CVLib/CVLib/CVLib.cpp	11
/Users/Leakey/git/CVLib/CVLib/CVLib.h	18

Chapter 3

Class Documentation

3.1 CamCtrl Class Reference

```
#include <CVLib.h>
```

Public Member Functions

- [CamCtrl](#) ()
- void [opnCam](#) (int CamIndex=-1)
Open camera and display frame.
- void [saveVideo](#) (CvCapture *pCapture_n, char *FilePath_n)
Save frames in camera captureed frame.

3.1.1 Constructor & Destructor Documentation

3.1.1.1 CamCtrl::CamCtrl ()

3.1.2 Member Function Documentation

3.1.2.1 void CamCtrl::opnCam (int *CamIndex* = -1)

Open camera and display frame.

Parameters

<i>CamIndex</i>	Camera index
-----------------	--------------

3.1.2.2 void CamCtrl::saveVideo (CvCapture * *pCapture_n*, char * *FilePath_n*)

Save frames in camera captureed frame.

Parameters

<i>pCapture</i> ↔ _n	Video ptr
<i>FilePath</i> _n	Save path

The documentation for this class was generated from the following files:

- /Users/Leakey/git/CVLib/CVLib/CVLib.h
- /Users/Leakey/git/CVLib/CVLib/CVLib.cpp

3.2 KNNClass Class Reference

```
#include <CVLib.h>
```

Public Member Functions

- [KNNClass](#) (int *k*_n=5, int *SmpClass*_n=5, int *ClassQty*_n=200, int *SmpSize*_n=400)
- [~KNNClass](#) ()
- void [setK](#) (int n)
Set K number.
- void [setThresA](#) (int n)
Set threshold.
- void [setThresB](#) (int n)
Set threshold.
- void [setSmpSize](#) (int n)
Set sample data's size.
- void [setSmpClass](#) (int n)
Set sample data's classes.
- void [setClassQty](#) (int n)
Set number of data in each class.
- void [setFilePath](#) (char **FilePath*_n)
Set root folder path.
- float [classify](#) (char **FilePath*_n)
Classify a pic.
- void [selfTest](#) (char **FilePath*_n, int *TestClass*, int *Max*)
System test.
- void [loadData](#) (char **FilePath*_n, int *SmpClass*_n, int *ClassQty*_n)
Load local data.
- void [enhceData](#) (char **SrcFilePath*_n, char **DstFilePath*_n, int *SmpClass*_n=5, int *ClassQty*_n=20)
Copy data to increase sum number of data.

3.2.1 Constructor & Destructor Documentation

3.2.1.1 `KNNClass::KNNClass (int k_n = 5, int SmpClass_n = 5, int ClassQty_n = 200, int SmpSize_n = 400)`

3.2.1.2 `KNNClass::~~KNNClass ()`

3.2.2 Member Function Documentation

3.2.2.1 `float KNNClass::classify (char * FilePath_n)`

Classify a pic.

Parameters

<i>FilePath</i> ↔ _n	Pic path
-------------------------	----------

Returns

Class of pic

3.2.2.2 void KNNClass::enhceData (char * *SrcFilePath_n*, char * *DstFilePath_n*, int *SmpClass_n* = 5, int *ClassQty_n* = 20)

Copy data to increase sum number of data.

Parameters

<i>SrcFilePath</i> ↔ _n	Data path
<i>DstFilePath</i> ↔ _n	Copied data path
<i>SmpClass_n</i>	Number of copied sample classes
<i>ClassQty_n</i>	Number of copied data in each class

3.2.2.3 void KNNClass::loadData (char * *FilePath_n*, int *SmpClass_n*, int *ClassQty_n*)

Load local data.

Parameters

<i>FilePath_n</i>	Data path
<i>SmpClass</i> ↔ _n	Number of sample classes
<i>ClassQty</i> ↔ _n	Number of data in each calss

3.2.2.4 void KNNClass::selfTest (char * *FilePath_n*, int *TestClass*, int *Max*)

System test.

Parameters

<i>FilePath</i> ↔ _n	Root folder path
<i>TestClass</i>	Number of sample classes
<i>Max</i>	Number of data in each class

3.2.2.5 void KNNClass::setClassQty (int *n*)

Set number of data in each class.

Parameters

<i>n</i>	Number of data in each calss
----------	------------------------------

3.2.2.6 void KNNClass::setFilePath (char * *FilePath_n*)

Set root folder path.

Parameters

<i>FilePath_n</i>	Root folder path
-------------------	------------------

3.2.2.7 void KNNClass::setK (int *n*)

Set K number.

Parameters

<i>n</i>	Number
----------	--------

3.2.2.8 void KNNClass::setSmpClass (int *n*)

Set sample data's classes.

Parameters

<i>n</i>	Number of sample classes
----------	--------------------------

3.2.2.9 void KNNClass::setSmpSize (int *n*)

Set sample data's size.

Parameters

<i>n</i>	Data size(width=heigh)
----------	------------------------

3.2.2.10 void KNNClass::setThresA (int *n*)

Set threshold.

Parameters

<i>n</i>	Threshold
----------	-----------

3.2.2.11 void KNNClass::setThresB (int *n*)

Set threshold.

Parameters

<i>n</i>	Threshold
----------	-----------

The documentation for this class was generated from the following files:

- [/Users/Leakey/git/CVLib/CVLib/CVLib.h](#)
- [/Users/Leakey/git/CVLib/CVLib/CVLib.cpp](#)

3.3 ObjectCnt Class Reference

```
#include <CVLib.h>
```

Public Member Functions

- [ObjectCnt](#) ()
- [~ObjectCnt](#) ()
- int [cntObjects](#) (char *pFilePath)
Load a pic and count objects.
- int [cntObjects](#) (IplImage *pSrcImg)
Count objects in image.
- IplImage * [cntPrePrs](#) (IplImage *pSrcImg)
Pre-Process image.
- void [objPrtPara](#) ()
Print para.

3.3.1 Constructor & Destructor Documentation

3.3.1.1 ObjectCnt::ObjectCnt ()

3.3.1.2 ObjectCnt::~~ObjectCnt ()

3.3.2 Member Function Documentation

3.3.2.1 int ObjectCnt::cntObjects (char * *pFilePath*)

Load a pic and count objects.

Parameters

<i>pFilePath</i>	Pic path
------------------	----------

Returns

Number of object

3.3.2.2 int ObjectCnt::cntObjects (IpImage * pSrcImg)

Count objects in image.

Parameters

<i>pSrcImg</i>	Image ptr
----------------	-----------

Returns

Number of object

3.3.2.3 IpImage * ObjectCnt::cntPrePrs (IpImage * pSrcImg)

Pre-Process image.

Parameters

<i>pSrcImg</i>	Image ptr
----------------	-----------

Returns

Processed image

3.3.2.4 void ObjectCnt::objPrtPara ()

Print para.

The documentation for this class was generated from the following files:

- /Users/Leakey/git/CVLib/CVLib/[CVLib.h](#)
- /Users/Leakey/git/CVLib/CVLib/[CVLib.cpp](#)

Chapter 4

File Documentation

4.1 /Users/Leakey/git/CVLib/CVLib/CVLib.cpp File Reference

```
#include "CVLib.h"
```

Functions

- void [findX](#) (IplImage *SrcImg, int *Min, int *Max)
Find the first and last effective pixel in image.
- void [findY](#) (IplImage *SrcImg, int *Min, int *Max)
Find the first and last effective pixel in image.
- CvRect [findMinRect](#) (IplImage *SrcImg)
Get a pic's min non-empty pixel region.
- IplImage * [cvGetSubImage](#) (IplImage *SrcImg, CvRect Roi)
Crop image from a ROI.
- IplImage * [prePrs](#) (IplImage *SrcImg, int W_n, int H_n, int Mode)
Prepress a pic, get a min binary region. 1 for turn pixel into ~.
- IplImage * [resizeImg](#) (char *FilePath_n, CvSize Size_n)
Resize pic into setted size.
- void [showImg](#) (int TA, int TB)
Display image in window with para threshold setted.
- void [min_Trackbar](#) (int Threshold)
Set threshold, also as a callback func.
- void [max_Trackbar](#) (int Threshold)
Set threshold, also as a callback func.
- void [getThreshold](#) (IplImage *pSrcImg, int *TA, int *TB)
Create a window to display image and modify threshold.
- void [getThreshold](#) (char *FilePath_n, int *TA, int *TB)
Create a window to display image and modify threshold.
- void [findRegion](#) (IplImage *SrcImg, int *x, int *y, int Flag)
Find the pixel region for a binary pic.
- void [findXRange](#) (IplImage *SrcImg, int *Min, int *Max, int Flag)
Find the first and last effective pixel in image.
- void [findYRange](#) (IplImage *SrcImg, int *Min, int *Max, int Flag)

- Find the first and last effective pixel in image.*

 - `IpImage * picStcer_sub (IpImage *ImgA, IpImage *ImgB, int mode)`

Stitching pics simply.
- `IpImage * picStcer (IpImage *SrcImgQue[], int lenth, int mode)`

Stitching pics simply.
- `IpImage * autoStcer (IpImage *SrcImgQueen[], int lenth)`

Stitching pics with feature matching.
- `void InsertSort (unsigned char a[], int count)`

Sort algorithm.
- `void showImg (int TA, int TB, int pKnlSize, int pErode, int pDilate)`

Create a window to display image and modify paras.
- `void setTa (int Threshold)`

Set threshold.
- `void setTb (int Threshold)`

Set threshold.
- `void setKnlSize (int pKnlSize)`

Set kernel size.
- `void setErode (int pErode)`

Set erode times.
- `void setDilate (int pDilate)`

Set dilate times.

Variables

- `IpImage * GrayImg`
- `IpImage * CannyImg`
- `IpImage * Explmg`

4.1.1 Function Documentation

4.1.1.1 `IpImage* autoStcer (IpImage * SrcImgQueen[], int lenth)`

Stitching pics with feature matching.

Parameters

<i>SrcImgQueen</i>	Image ptrs array
<i>lenth</i>	Sum width/heigh

Returns

Stitched image

4.1.1.2 `IpImage* cvGetSubImage (IpImage * SrcImg, CvRect Roi)`

Crop image from a ROI.

Parameters

<i>SrcImg</i>	Image ptr
<i>Roi</i>	ROI

Returns

Cropped image

4.1.1.3 `CvRect findMinRect (IplImage * SrcImg)`

Get a pic's min non-empty pixel region.

Parameters

<i>SrcImg</i>	Image ptr
---------------	-----------

Returns

Min non-empty pixel region

4.1.1.4 `void findRegion (IplImage * SrcImg, int * x, int * y, int Flag = 1)`

Find the pixel region for a binary pic.

Parameters

<i>SrcImg</i>	SourceImage
<i>x</i>	X pos
<i>y</i>	Y pos
<i>Flag</i>	White/Black background, 1 for white, 0 for black

4.1.1.5 `void findX (IplImage * SrcImg, int * Min, int * Max)`

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First X pos
<i>Max</i>	Last X pos

4.1.1.6 void findXRange (*IpImage * SrcImg*, int * *Min*, int * *Max*, int *Flag* = 1)

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First X pos
<i>Max</i>	Last X pos
<i>Flag</i>	White/Black background,1 for white, 0 for black

4.1.1.7 void findY (*IpImage * SrcImg*, int * *Min*, int * *Max*)

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First Y pos
<i>Max</i>	Last Y pos

4.1.1.8 void findYRange (*IpImage * SrcImg*, int * *Min*, int * *Max*, int *Flag* = 1)

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First Y pos
<i>Max</i>	Last Y pos
<i>Flag</i>	White/Black background,1 for white, 0 for black

4.1.1.9 void getThreshold (*IpImage * pSrcImg*, int * *TA*, int * *TB*)

Create a window to display image and modify threshold.

Parameters

<i>pSrcImg</i>	Image ptr
<i>TA</i>	Threshold A
<i>TB</i>	Threshold B

4.1.1.10 void getThreshold (char * *FilePath_n*, int * *TA*, int * *TB*)

Create a window to display image and modify threshold.

Call a window and show a pic to ensure the threshold for binary a pic.

Parameters

<i>pSrcImg</i>	Image path
<i>TA</i>	Threshold A
<i>TB</i>	Threshold B

4.1.1.11 void InsertSort (unsigned char *a*[], int *count*)

Sort algorithm.

Parameters

<i>a</i>	Char array
<i>count</i>	Lenth of char array

4.1.1.12 void max_Trackbar (int *Threshold*)

Set threshold, also as a callback func.

Parameters

<i>Threshold</i>	Threshold needed
------------------	------------------

4.1.1.13 void min_Trackbar (int *Threshold*)

Set threshold, also as a callback func.

Parameters

<i>Threshold</i>	Threshold needed
------------------	------------------

4.1.1.14 IpImage* picStcer (IpImage * *SrcImgQueen*[], int *lenth*, int *mode*)

Stitching pics simply.

Parameters

<i>SrcImgQueen</i>	Image ptrs array
<i>lenth</i>	Sum width/heigh
<i>mode</i>	Vertical/Horizontal, 1 for vertical, 0 for horizontal

Returns

Stitched image

4.1.1.15 `IpImage* picStcer_sub (IpImage * ImgA, IpImage * ImgB, int mode)`

Stitching pics simply.

Parameters

<i>ImgA</i>	Image ptr A
<i>ImgB</i>	Image ptr B
<i>mode</i>	Vertical/Horizontal, 1 for vertical, 0 for horizontal

Returns

Stitched image

4.1.1.16 `IpImage* prePrs (IpImage * SrcImg, int W_n, int H_n, int Mode = 1)`

Prepress a pic, get a min binary region. 1 for turn pixel into ~.

Parameters

<i>SrcImg</i>	Image ptr
<i>W_n</i>	Expectant width
<i>H_n</i>	Expectant heigh
<i>Mode</i>	White/Black background

Returns

Processed image

4.1.1.17 `IpImage* resizelmg (char * FilePath_n, CvSize Size_n)`

Resize pic into settetd size.

Parameters

<i>FilePath↵ _n</i>	Pic path
<i>Size_n</i>	Expectant height*width

Returns

Resized pic

4.1.1.18 void setDilate (int *pDilate*)

Set dilate times.

Parameters

<i>pDilate</i>	Dilate times
----------------	--------------

4.1.1.19 void setErode (int *pErode*)

Set erode times.

Parameters

<i>pErode</i>	Erode times
---------------	-------------

4.1.1.20 void setKnISize (int *pKnISize*)

Set kernel size.

Parameters

<i>pKnISize</i>	Kernel size(width=heigh)
-----------------	--------------------------

4.1.1.21 void setTa (int *Threshold*)

Set threshold.

Parameters

<i>Threshold</i>	Threshold
------------------	-----------

4.1.1.22 void setTb (int *Threshold*)

Set threshold.

Parameters

<i>Threshold</i>	Threshold
------------------	-----------

4.1.1.23 void showImg (int *TA*, int *TB*)

Display image in window with para threshold setted.

Parameters

<i>TA</i>	Threshold A
<i>TB</i>	Threshold B

4.1.1.24 void showImg (int *TA*, int *TB*, int *pKnlSize*, int *pErode*, int *pDilate*)

Create a window to display image and modify paras.

Parameters

<i>TA</i>	Threshold A
<i>TB</i>	Threshold B
<i>pKnlSize</i>	Kernel size
<i>pErode</i>	Erode times
<i>pDilate</i>	Dilate times

4.1.2 Variable Documentation

4.1.2.1 IpImage* CannyImg

4.1.2.2 IpImage* Explmg

4.1.2.3 IpImage* GrayImg

4.2 /Users/Leakey/git/CVLib/CVLib/CVLib.h File Reference

```
#include <stdio.h>
#include <stdlib.h>
#include <fstream>
#include <iostream>
#include <cv.h>
#include <ml.h>
#include <math.h>
#include <highgui.h>
#include "opencv2/highgui/highgui.hpp"
#include "opencv2/stitching/stitcher.hpp"
#include <opencv2/opencv.hpp>
#include <imgproc/imgproc.hpp>
```


Classes

- class [CamCtrl](#)
- class [KNNClass](#)
- class [ObjectCnt](#)

Macros

- #define [VERTICAL](#) 1
- #define [HORIZONTAL](#) 0

Functions

- [IpImage * resizeImg](#) (char *FilePath_n, CvSize Size_n)
Resize pic into setted size.
- [IpImage * cvGetSubImage](#) (IpImage *SrcImg, CvRect Roi)
Crop image from a ROI.
- void [InsertSort](#) (unsigned char a[], int count)
Sort algorithm.
- CvRect [findMinRect](#) (IpImage *SrcImg)
Get a pic's min non-empty pixel region.
- void [findRegion](#) (IpImage *SrcImg, int *x, int *y, int Flag=1)
Find the pixel region for a binary pic.
- void [findXRange](#) (IpImage *SrcImg, int *Min, int *Max, int Flag=1)
Find the first and last effective pixel in image.
- void [findYRange](#) (IpImage *SrcImg, int *Min, int *Max, int Flag=1)
Find the first and last effective pixel in image.
- void [findX](#) (IpImage *SrcImg, int *Min, int *Max)
Find the first and last effective pixel in image.
- void [findY](#) (IpImage *SrcImg, int *Min, int *Max)
Find the first and last effective pixel in image.
- [IpImage * prePrs](#) (IpImage *SrcImg, int W_n, int H_n, int Mode=1)
Prepress a pic, get a min binary region. 1 for turn pixel into ~.
- void [getThreshold](#) (char *FilePath_n, int *TA, int *TB)
Call a window and show a pic to ensure the threshold for binary a pic.
- void [min_Trackbar](#) (int Threshold)
Set threshold, also as a callback func.
- void [max_Trackbar](#) (int Threshold)
Set threshold, also as a callback func.
- void [getThreshold](#) (IpImage *pSrcImg, int *TA, int *TB)
Create a window to display image and modify threshold.
- void [showImg](#) (int TA, int TB)
Display image in window with para threshold setted.
- [IpImage * picStcer](#) (IpImage *SrcImgQueen[], int lenth, int mode)
Stitching pics simply.
- [IpImage * autoStcer](#) (IpImage *SrcImgQueen[], int lenth)
Stitching pics with feature matching.
- [IpImage * picStcer_sub](#) (IpImage *ImgA, IpImage *ImgB, int mode)
Stitching pics simply.
- void [showImg](#) (int TA, int TB, int pKnlSize, int pErode, int pDilate)

Create a window to display image and modify paras.

- void [setTa](#) (int Threshold)
Set threshold.
- void [setTb](#) (int Threshold)
Set threshold.
- void [setKnlSize](#) (int pKnlSize)
Set kernel size.
- void [setErode](#) (int pErode)
Set erode times.
- void [setDilate](#) (int pDilate)
Set dilate times.

4.2.1 Macro Definition Documentation

4.2.1.1 `#define HORIZONTAL 0`

4.2.1.2 `#define VERTICAL 1`

4.2.2 Function Documentation

4.2.2.1 `IplImage* autoStcer (IplImage * SrcImgQueen[], int lenth)`

Stitching pics with feature matching.

Parameters

<i>SrcImgQueen</i>	Image ptrs array
<i>lenth</i>	Sum width/heigh

Returns

Stitched image

4.2.2.2 `IplImage* cvGetSubImage (IplImage * SrcImg, CvRect Roi)`

Crop image from a ROI.

Parameters

<i>SrcImg</i>	Image ptr
<i>Roi</i>	ROI

Returns

Cropped image

4.2.2.3 `CvRect findMinRect (IplImage * SrcImg)`

Get a pic's min non-empty pixel region.

Parameters

<i>SrcImg</i>	Image ptr
---------------	-----------

Returns

Min non-empty pixel region

4.2.2.4 `void findRegion (IplImage * SrcImg, int * x, int * y, int Flag = 1)`

Find the pixel region for a binary pic.

Parameters

<i>SrcImg</i>	SourcelImage
<i>x</i>	X pos
<i>y</i>	Y pos
<i>Flag</i>	White/Black background,1 for white, 0 for black

4.2.2.5 `void findX (IplImage * SrcImg, int * Min, int * Max)`

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First X pos
<i>Max</i>	Last X pos

4.2.2.6 `void findXRange (IplImage * SrcImg, int * Min, int * Max, int Flag = 1)`

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First X pos
<i>Max</i>	Last X pos
<i>Flag</i>	White/Black background,1 for white, 0 for black

4.2.2.7 void findY (IplImage * *SrcImg*, int * *Min*, int * *Max*)

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First Y pos
<i>Max</i>	Last Y pos

4.2.2.8 void findYRange (IplImage * *SrcImg*, int * *Min*, int * *Max*, int *Flag* = 1)

Find the first and last effective pixel in image.

Parameters

<i>SrcImg</i>	Image ptr
<i>Min</i>	First Y pos
<i>Max</i>	Last Y pos
<i>Flag</i>	White/Black background,1 for white, 0 for black

4.2.2.9 void getThreshold (char * *FilePath_n*, int * *TA*, int * *TB*)

Call a window and show a pic to ensure the threshold for binary a pic.

Create a window to display image and modify threshold.

Parameters

<i>FilePath↔ _n</i>	Image path
<i>TA</i>	Threshold A
<i>TB</i>	Threshold B
<i>pSrcImg</i>	Image path
<i>TA</i>	Threshold A
<i>TB</i>	Threshold B

Call a window and show a pic to ensure the threshold for binary a pic.

Parameters

<i>pSrcImg</i>	Image path
<i>TA</i>	Threshold A
<i>TB</i>	Threshold B

4.2.2.10 void getThreshold (IplImage * *pSrcImg*, int * *TA*, int * *TB*)

Create a window to display image and modify threshold.

Parameters

<i>pSrcImg</i>	Image ptr
<i>TA</i>	Threshold A
<i>TB</i>	Threshold B

4.2.2.11 void InsertSort (unsigned char *a*[], int *count*)

Sort algorithm.

Parameters

<i>a</i>	Char array
<i>count</i>	Lenth of char array

4.2.2.12 void max_Trackbar (int *Threshold*)

Set threshold, also as a callback func.

Parameters

<i>Threshold</i>	Threshold needed
------------------	------------------

4.2.2.13 void min_Trackbar (int *Threshold*)

Set threshold, also as a callback func.

Parameters

<i>Threshold</i>	Threshold needed
------------------	------------------

4.2.2.14 IplImage* picStcer (IplImage * *SrcImgQueen*[], int *lenth*, int *mode*)

Stitching pics simply.

Parameters

<i>SrcImgQueen</i>	Image ptrs array
<i>lenth</i>	Sum width/heigh
<i>mode</i>	Vertical/Horizontal, 1 for vertical, 0 for horizontal

Returns

Stitched image

4.2.2.15 `IpImage* picStcer_sub (IpImage * ImgA, IpImage * ImgB, int mode)`

Stitching pics simply.

Parameters

<i>ImgA</i>	Image ptr A
<i>ImgB</i>	Image ptr B
<i>mode</i>	Vertical/Horizontal, 1 for vertical, 0 for horizontal

Returns

Stitched image

4.2.2.16 `IpImage* prePrs (IpImage * SrcImg, int W_n, int H_n, int Mode = 1)`

Prepress a pic, get a min binary region. 1 for turn pixel into ~.

Parameters

<i>SrcImg</i>	Image ptr
<i>W_n</i>	Expectant width
<i>H_n</i>	Expectant heigh
<i>Mode</i>	White/Black background

Returns

Processed image

4.2.2.17 `IpImage* resizelmg (char * FilePath_n, CvSize Size_n)`

Resize pic into settet size.

Parameters

<i>FilePath↵ _n</i>	Pic path
<i>Size_n</i>	Expectant height*width

Returns

Resized pic

4.2.2.18 void setDilate (int *pDilate*)

Set dilate times.

Parameters

<i>pDilate</i>	Dilate times
----------------	--------------

4.2.2.19 void setErode (int *pErode*)

Set erode times.

Parameters

<i>pErode</i>	Erode times
---------------	-------------

4.2.2.20 void setKnISize (int *pKnISize*)

Set kernel size.

Parameters

<i>pKnISize</i>	Kernel size(width=heigh)
-----------------	--------------------------

4.2.2.21 void setTa (int *Threshold*)

Set threshold.

Parameters

<i>Threshold</i>	Threshold
------------------	-----------

4.2.2.22 void setTb (int *Threshold*)

Set threshold.

Parameters

<i>Threshold</i>	Threshold
------------------	-----------

4.2.2.23 void showlmg (int *TA*, int *TB*)

Display image in window with para threshold setted.

Parameters

<i>TA</i>	Threshold A
<i>TB</i>	Threshold B

4.2.2.24 void showlmg (int *TA*, int *TB*, int *pKnlSize*, int *pErode*, int *pDilate*)

Create a window to display image and modify paras.

Parameters

<i>TA</i>	Threshold A
<i>TB</i>	Threshold B
<i>pKnlSize</i>	Kernel size
<i>pErode</i>	Erode times
<i>pDilate</i>	Dilate times

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