## LK optical flow algorithm

## 1.Use

Code path: ~/yahboomcar\_ws/src/opencv\_apps/launch

• Start the camera

roslaunch yahboomcar\_visual opencv\_apps.launch img\_flip:=false

• img\_flip parameter: whether the image needs to be flipped horizontally, the default is false.

[usb\_cam-test.launch] file opens the [web\_video\_server] node by default, and you can directly use the [IP:8080] web page to view images in real time.

• Start the corner detection function of Opencv\_apps

roslaunch opencv\_apps lk\_flow.launch
algorithm

# LK optical flow

The debug\_view for some functions is disabled, and there is no screen appearing. You can view the effect in the following two ways.

The reason for closing debug\_view is that it will generate errors on the terminal, but the actual effect has not been affected!

• Local View Screen

Enter the following command to select the corresponding topic

rqt\_image\_view

LAN View Screen

(Same as under LAN) Enter IP+port in the browser, for example:

192.168.2.150:8080

## 2. Effect display diagram

