Day 13 of Computer Vision

Harris Corner detection

Harris Corner detection algorithm was developed to identify the internal corners of an image.
Harris Corner Detection is a method to extract the corners from the input image and to extract features from the input image.

$$\Sigma [i (x+u, y+v) - i (x,y)] ^ 2$$

Harris Corner detection

Syntax: cv2.cornerHarris(src, dest, blockSize, kSize, freeParameter, borderType)

Parameters:

- src – Input Image (Single-channel, 8-bit or floating-point)
- dest – Image to store the Harris detector responses.
  Size is same as source image
- blockSize – Neighborhood size (for each pixel value blockSize * blockSize neighbourhood is considered)
- ksize – Aperture parameter for the Sobel() operator
- freeParameter – Harris detector free parameter
- borderType – Pixel extrapolation method (the extrapolation mode used returns the coordinate of the pixel corresponding to the specified extrapolated pixel)

Thank’s