

# GCV Homework 1: Camera Distortion Estimation from Straight Line

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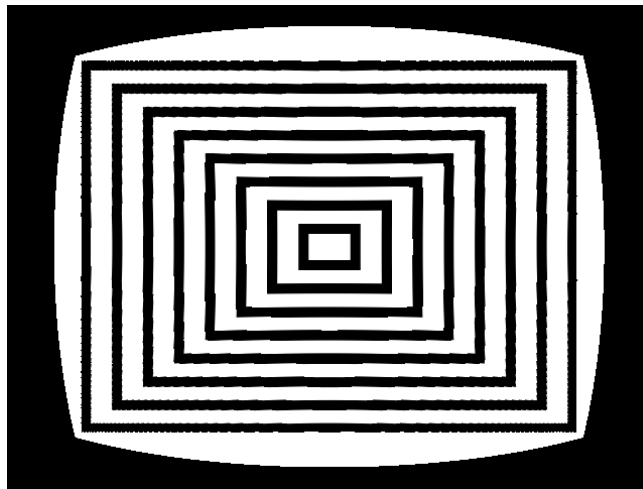
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## 1 Image 1

Parameters:

$$x_0 = 320.0, y_0 = 240.0, k = 1.6858525847202046e - 06$$

Undistort image:

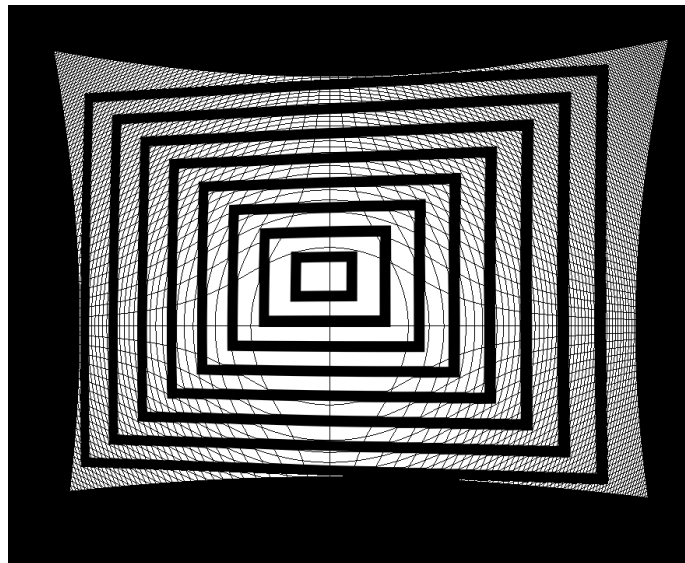


## 2 Image 2

Parameters:

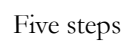
$$x_0 = 293.1108, y_0 = 292.9755, k = -9.861409169621858e - 07$$

Undistort image:



## Appendix

For image 2, select line 1,7,15.



5. undistort(img, x0, y0, lamda)