

Computer vision

17 November 2023

07:08

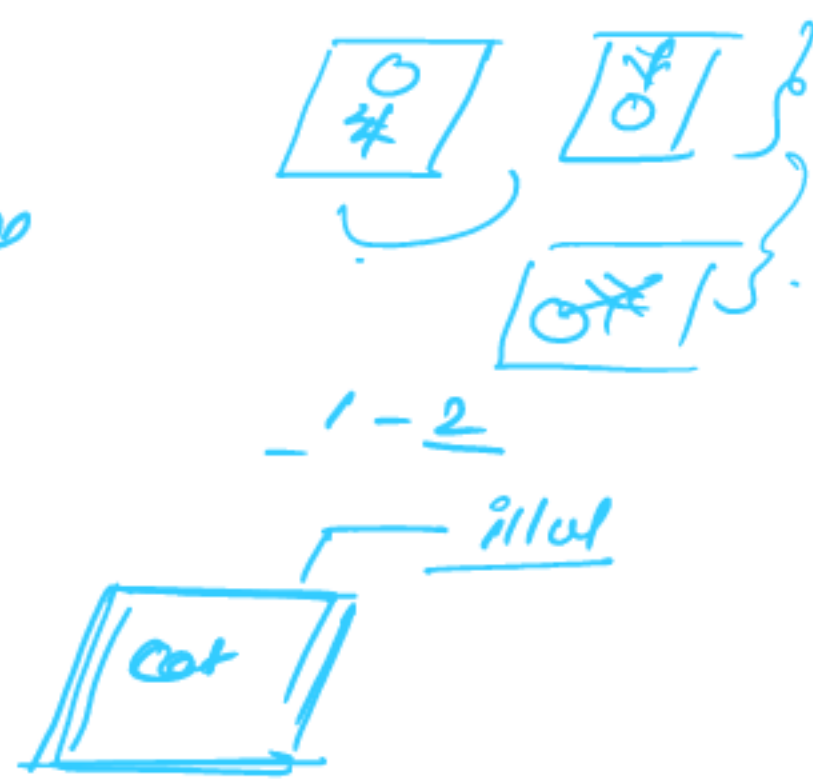
"Aim to enable computers to gain understanding of what is being seen in images and videos."

Examples.

- 1 Instagram / Snapchat filters.
- 2 OCR
- 3 Licence Number plate detection.
- 4 self driving cars.
- 5 facial recognition.
- 6 sport analysis
- 7 Deep fakes
- 8 Body pose detection
- 9 gas leak detection / fire

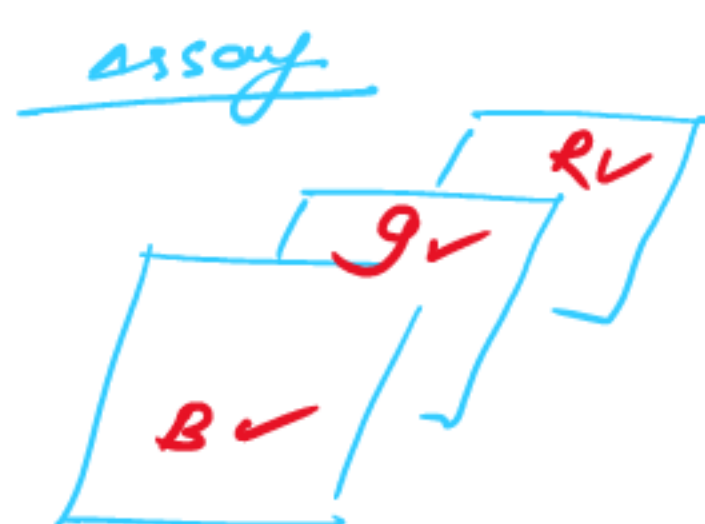
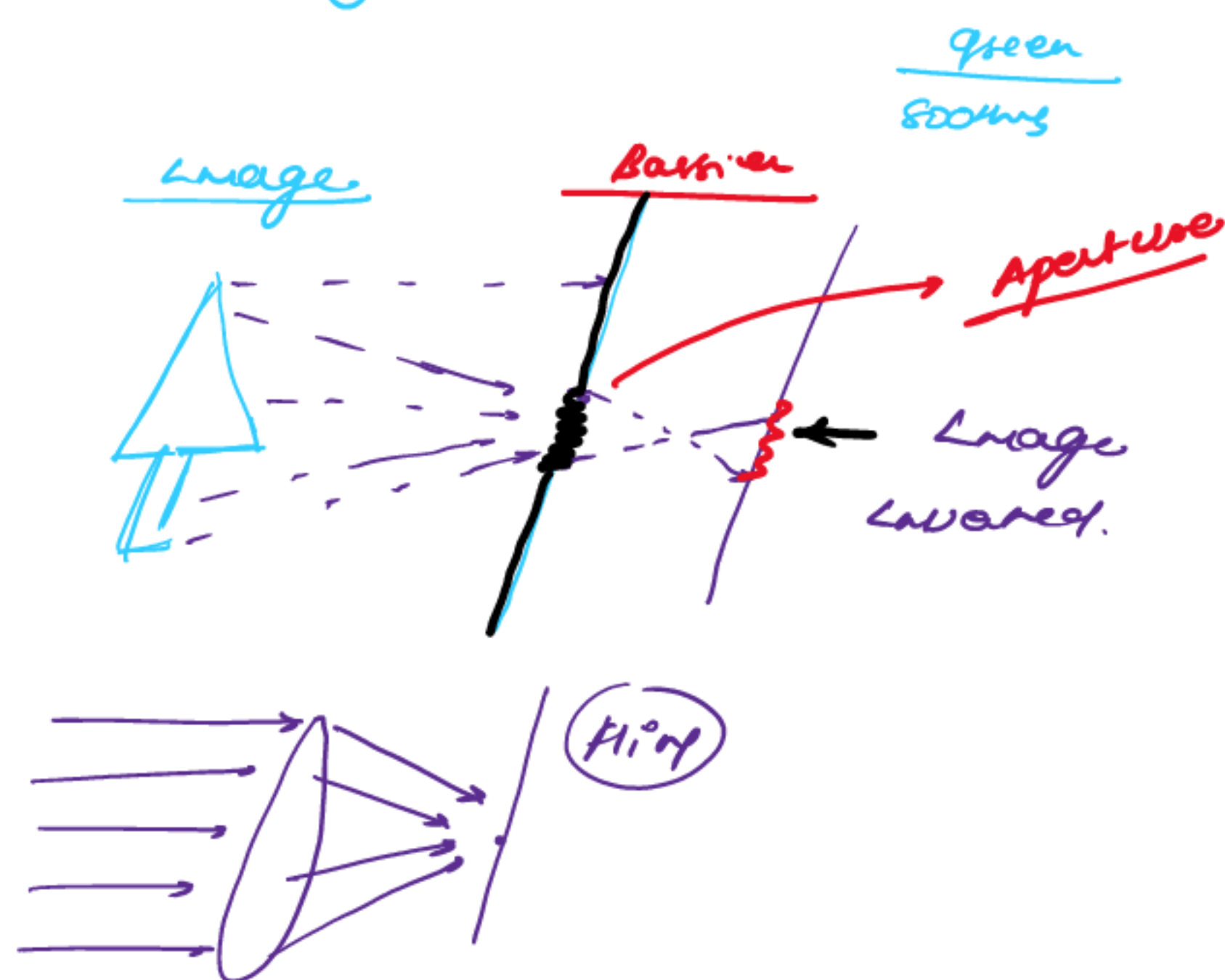
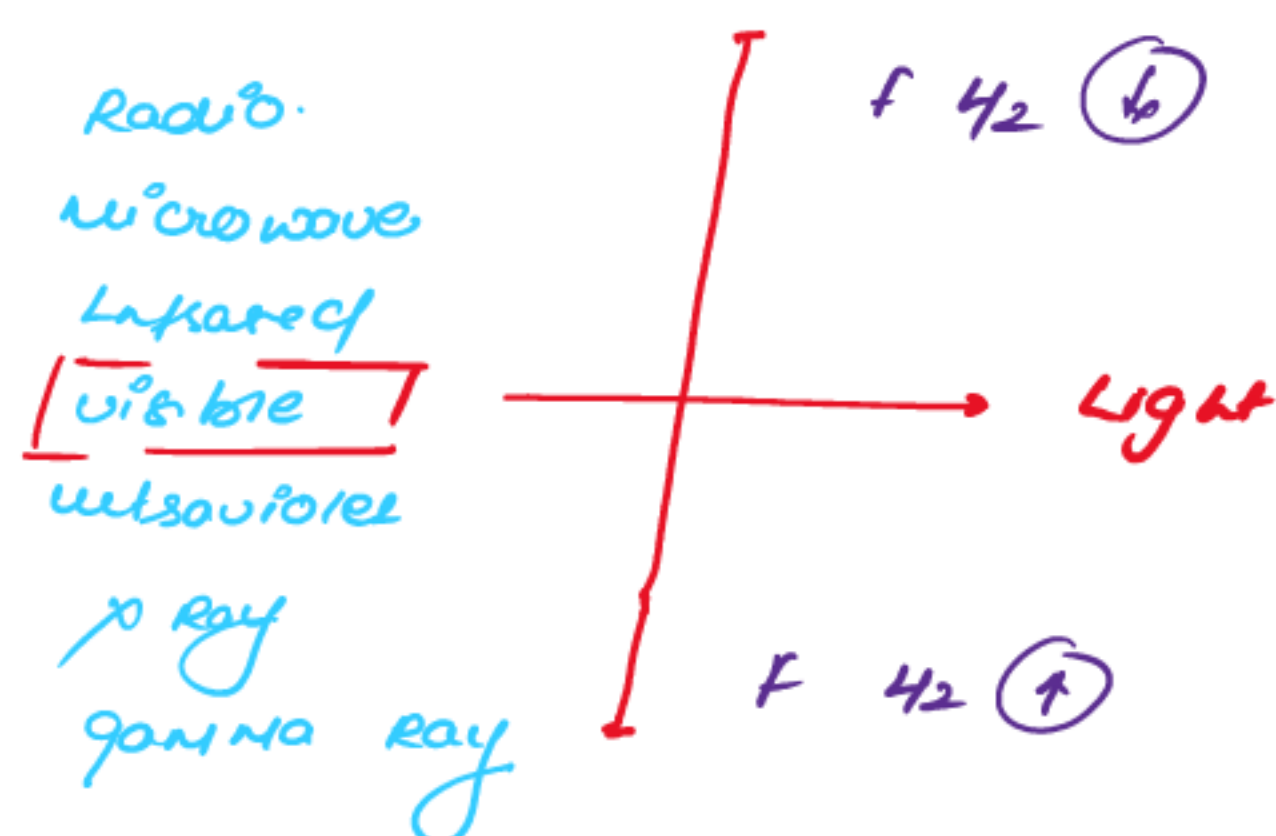
Complicated.

- 1 understanding.
- 2 camera and sensor limitation
- 3 view point variations
- 4 changing lighting conditions.
- 5 scaling issue.
- 6 non rigid deformations
- 7 optical illusion



Images.

RGB BGR



Images.

Raster Images: Yp9 94F PNG TLFF Raw PSD. → camera

vector Images: pdf AI svg.