**Maman 12**

Research phase

* After extracting SIFT descriptors (128) I’ve tried reduce dimensionality for computing relief using PCA.
  + Total explained variance by 50 components: 0.86
  + Total explained variance by 80 components: 0.95
  + Total explained variance by 90 components: 0.97
* While this looks like a promising path to reduce computation, I’ve dropped it.
* Calculating SIFT features took some time. I’ve used the fact that cv2 doesn’t use pythons GIL and reading images is IO bound operation, to run in asyncio fashion to reduce run-time.