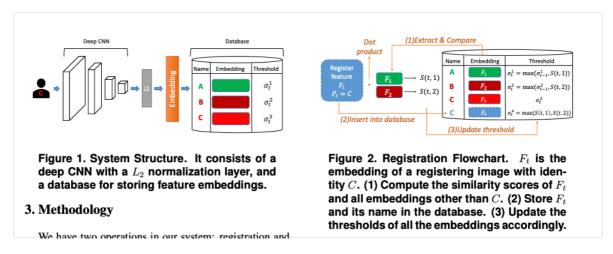
Difference from existing projects:

- Proposes a new technique of feature-specific adaptive thresholding to improve the recognition accuracy.
- Instead of a fixed threshold (L2) it has an adaptive one

Model:

2 Operations:

- Registration -> extracts a feature vector -> considers the face to be registered in the system -> a specific threshold is applied for each face
- Recognition -> compares the similarity scores between existing faces



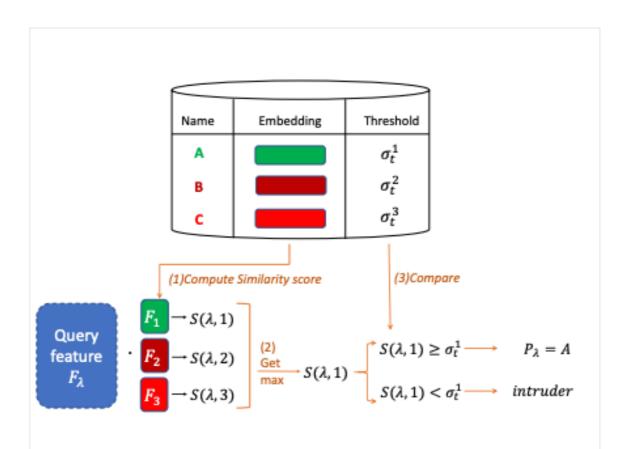


Figure 3. Recognizing Flowchart. F_{λ} is the embedding of a query image I_{λ} . (1) Compute the similarity score of F_{λ} with all embeddings. (2) Get the maximal similarity score. (3) Compare the score with the stored threshold to determine whether the query is an intruder or a registered identity.

-> Use a 10 fold CV (cross-validation)

Challenges:

-> I guess the input quality of the image, cause the db has good quality pics?

PDF:

https://arxiv.org/pdf/1810.11160v1.pdf

Code:

https://github.com/ivclab/Online-Face-Recognition-and-Authentication