



# FINGERPRINT INPAINTING

WITH GENERATIVE MODELS

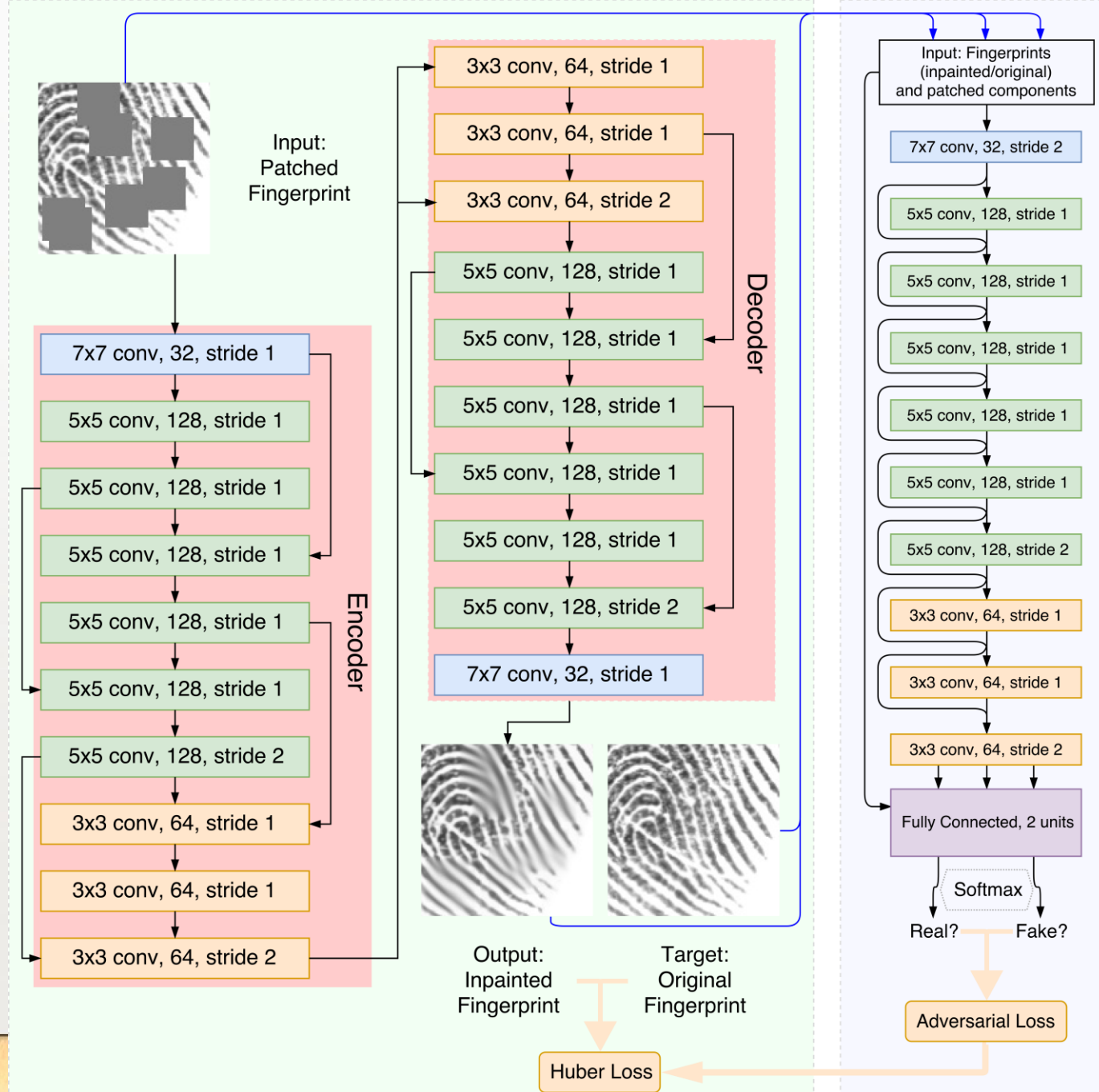
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# Motivation

- Fingerprints are the most widely used biometrics
- Challenging datasets
- Unsupervised learning through inpainting
- Practical outcomes

# GENERATIVE ADVERSARIAL INPAINTER NETWORK

$$\mathcal{L} = \alpha L_{recon} + \beta L_{adv}$$



(a) Generator

(b) Discriminator

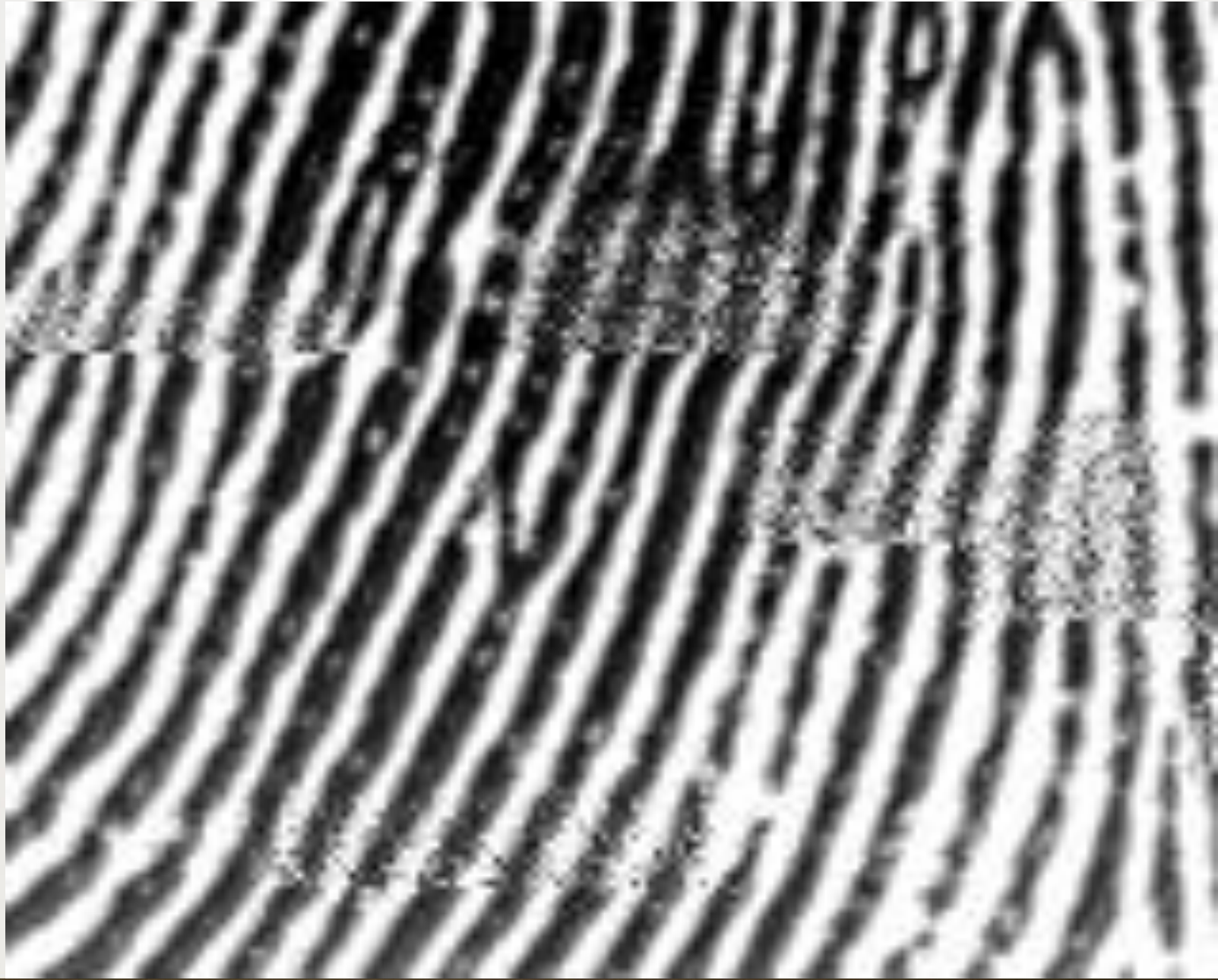
# QUALITATIVE RESULTS

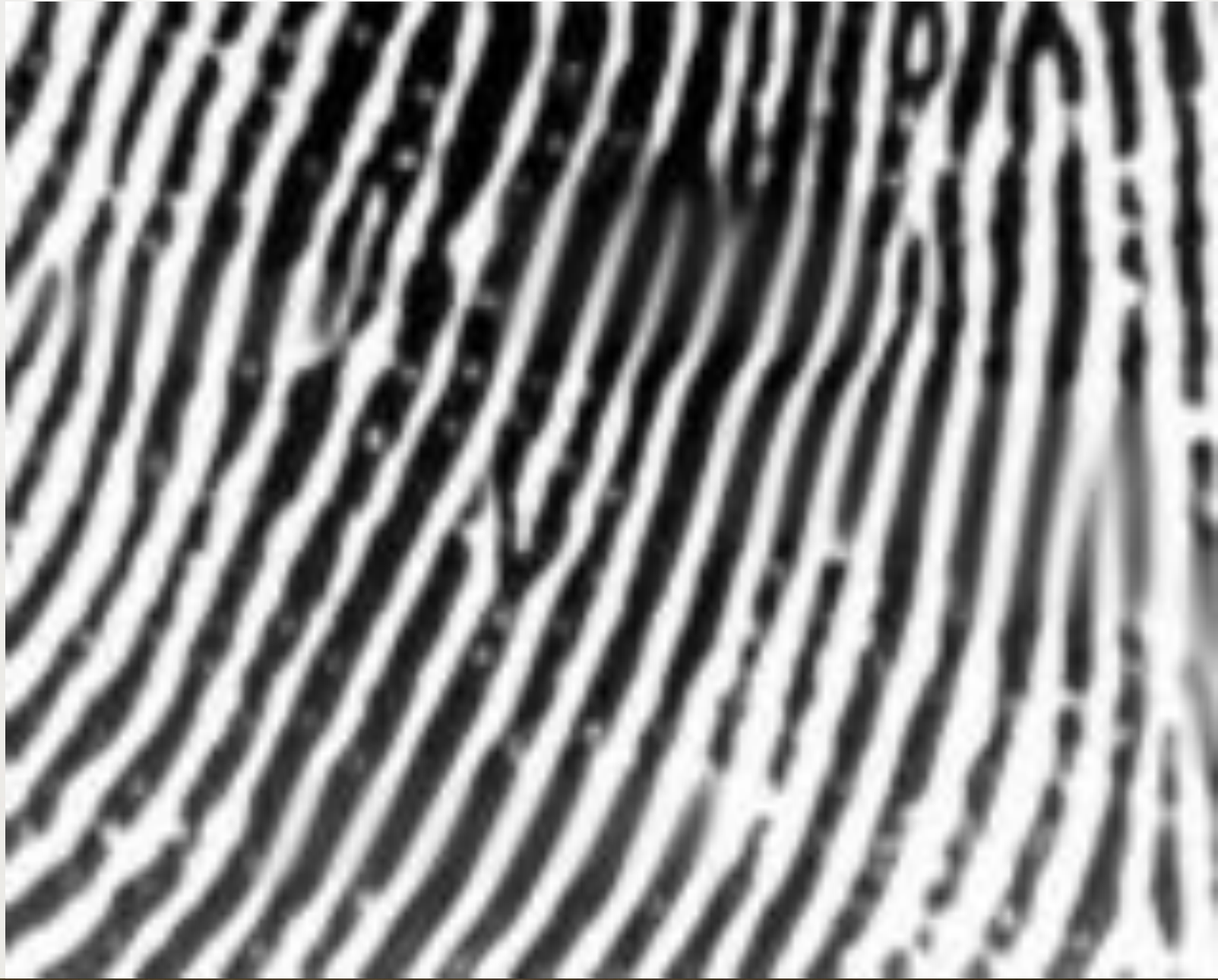




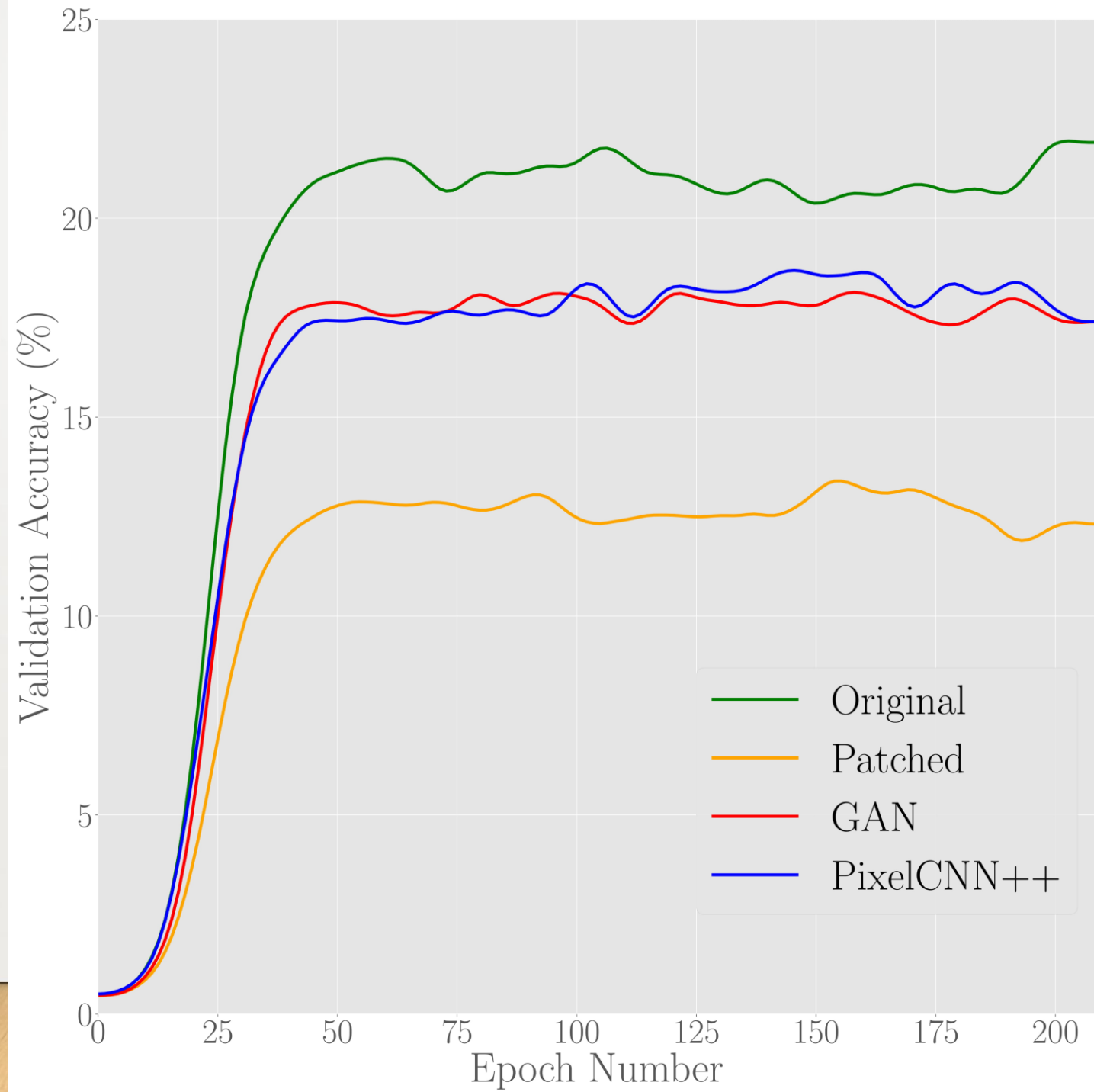








# QUANTITATIVE RESULTS



THANK  
YOU