Postnet struct:

postnet.add(Input(img\_shape))

postnet.add(Conv2D(16, (5, 5), (2, 2), padding = 'same'))

postnet.add(PReLU(shared\_axes = [1, 2]))

postnet.add(Conv2D(32, (5, 5), (2, 2), padding = 'same'))

postnet.add(PReLU(shared\_axes = [1, 2]))

postnet.add(Conv2D(32, (5, 5), (1, 1), padding = 'same'))

postnet.add(PReLU(shared\_axes = [1, 2]))

postnet.add(Conv2DTranspose(16, (5, 5), (2, 2), padding = 'same'))

postnet.add(PReLU(shared\_axes = [1, 2]))

postnet.add(Conv2DTranspose(img\_shape[-1], (5, 5), (2, 2), padding = 'same', activation = 'sigmoid'))

Trained on 2000 images of Imagenet\_a

Used JSCC\_1 and equal\_stage with stage\_count = 3 method of decoder in encoder to create input data

Epochs = 100

Batch\_size = 1

Inputs / Outputs pixels range: {0, 1}