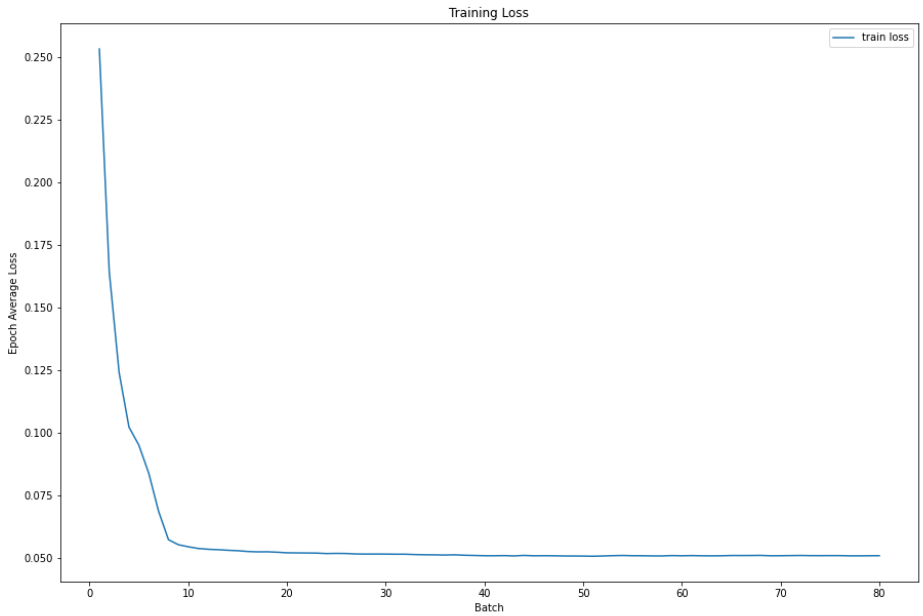
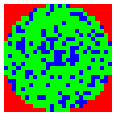
1. Show your model architecture and loss function.
   - Encoder:
     Conv2d(in_channels=3, out_channels=20, kernel_size=3)
     Relu()
     Conv2d(in_channels=20, out_channels=2, kernel_size=3)
     Relu()
   - Latent code:
     加入 zero mean & 0.01 variance 的 Gaussian noise (註: 只有在 model inference 階段才會加噪，於 training 階段沒有此指令)
   - Decoder
     ConvTranspose2d(in_channels=2, out_channels=20, kernel_size=3)
     Relu()
     ConvTranspose2d(in_channels=20, out_channels=3, kernel_size=3)
     Relu()

   - Loss function: Mean square error

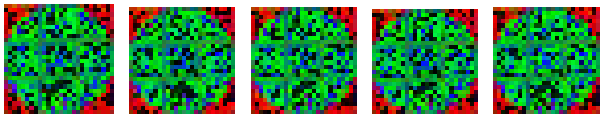
2. Plot training loss



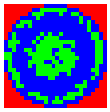
3. Visualize 5 generated samples for each class
   - Class 0 (Center)
     - Original



- 5 generated samples

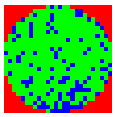


- Class 1 (Dount)
  - Original

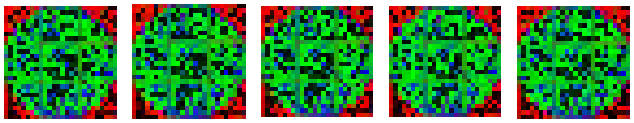


  - 5 generated samples

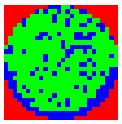
- Class 2 (Edge-Loc)
  - Original



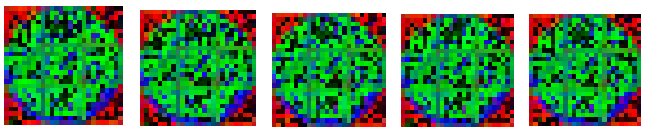
  - 5 generated samples



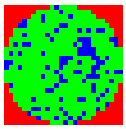
- Class 3 (Edge-Ring)
  - Original



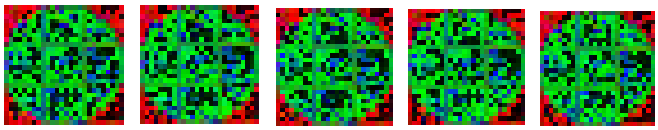
  - 5 generated samples



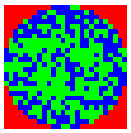
- Class 4 (Loc)
  - Original



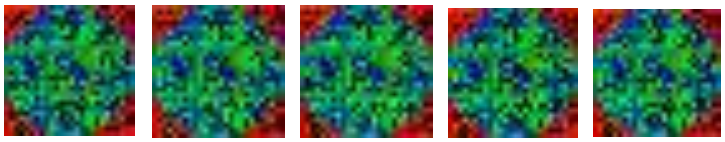
- 5 generated samples



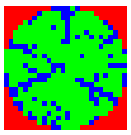
- Class 5 (Near-full)
  - Original



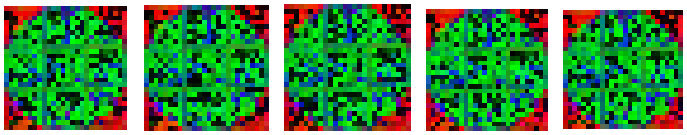
  - 5 generated samples



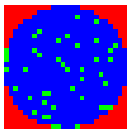
- Class 6 (Random)
  - Original



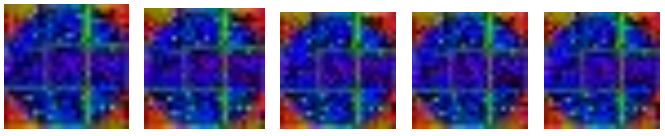
  - 5 generated samples



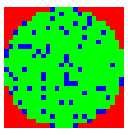
- Class 7 (Scratch)
  - Original



  - 5 generated samples



- Class 8 (None)
  - Original



  - 5 generated samples