

1. Model1

- Conv Layers (ch in, ch out, kernel, stride, padding =0)
 - (1, 4, 2, 1, 0)
 - (4, 16, 2, 1, 0)
 - (16, 32, 4, 2, 0)
 - (32, 64, 4, 2, 0)
 - (64, 128, 4, 2, 0)
 - (128, 128, 4, 2, 0)
 - (128, 128, 4, 2, 0)
 - (128, 128, 4, 2, 0)
- Dense layer: $512=2*2*128$ -j n_latent
- Sizes at layers: 256,255,254,126,62,30,14,6,2

2. Model2

- Conv Layers (ch in, ch out, kernel, stride, padding =0)
 - (1, 4, 2, 1, 0)
 - (4, 16, 2, 1, 0)
 - (16, 32, 4, 2, 0)
 - (32, 64, 4, 2, 0)
 - (64, 128, 4, 2, 0)
 - (128, 128, 4, 2, 0)
 - (128, 128, 4, 2, 0)
- Dense layer: $4608 = 6*6*128$ -j n_latent
- Sizes at layers: 256,255,254,126,62,30,14,6

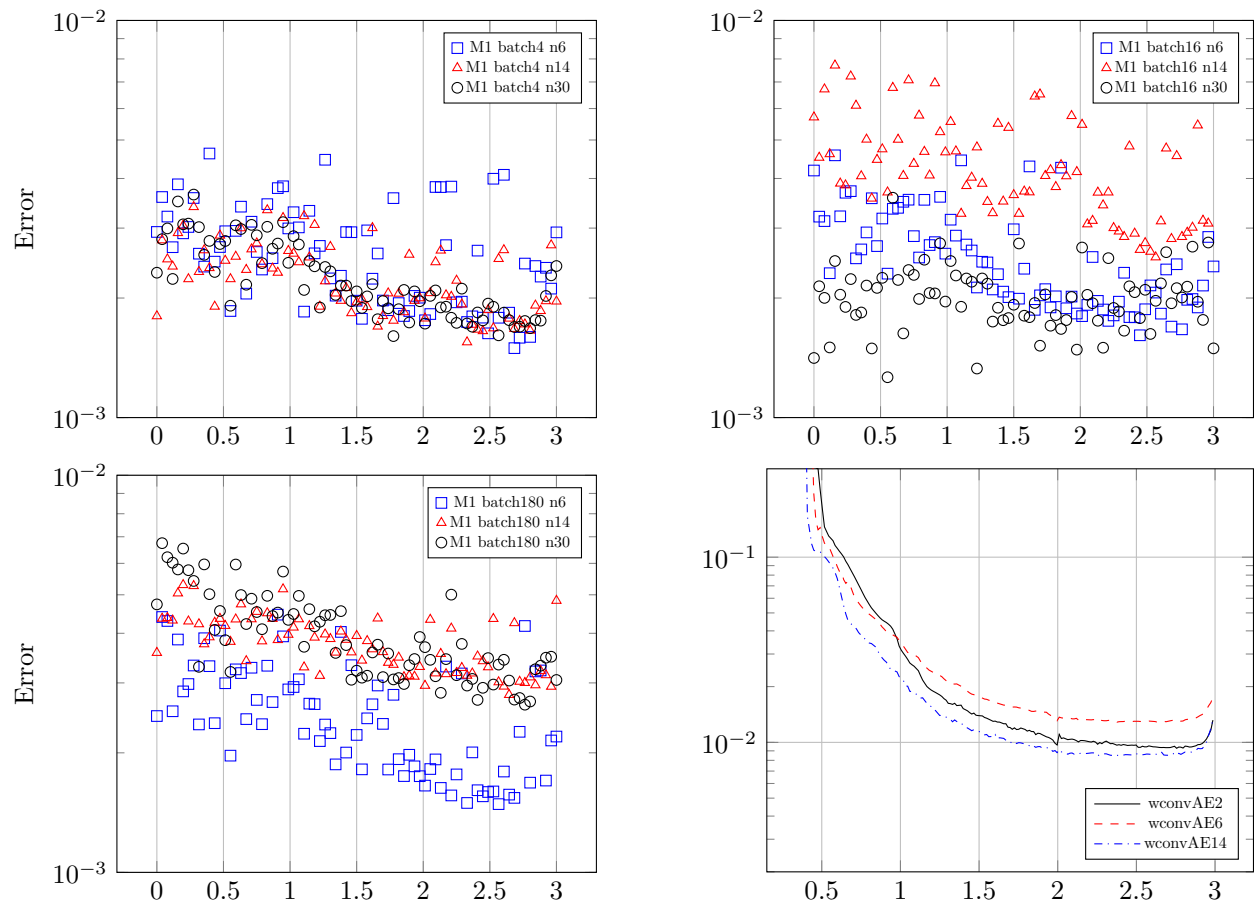


Figure 1: ConvAE errors with different models (bottom right is the old one)