

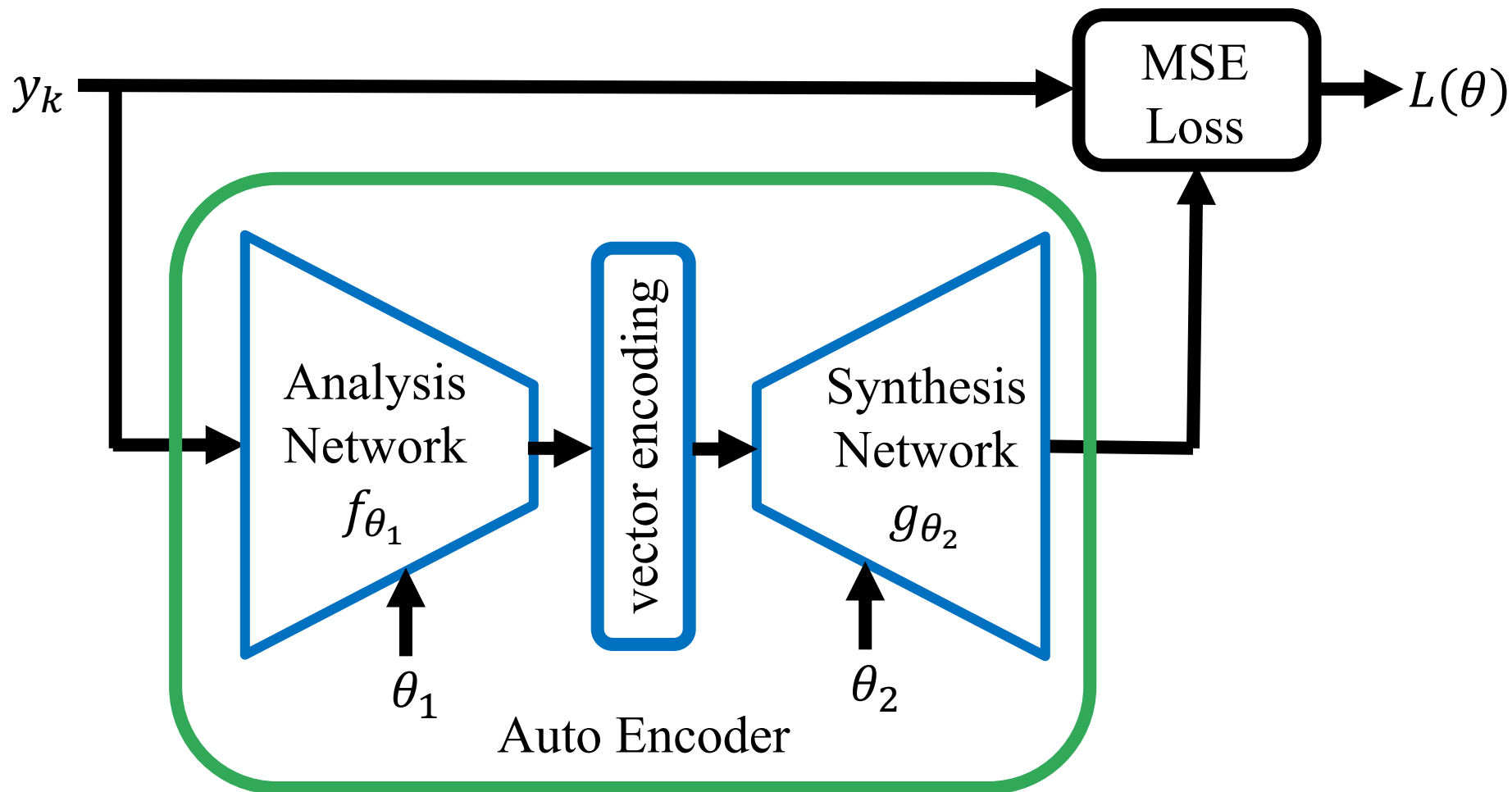
Unsupervised Learning

- The Concept of Unsupervised Training
- Autoencoders
- Self and Zero-Shot Training

Autoencoders

- An example of unsupervised learning

$$Loss(\theta) = \sum_{k=0}^{K-1} \|y_k - g_{\theta_2}(f_{\theta_1}(y_k))\|^2$$



Autoencoders

- **Embedded space**

- Output embedded channels
- Use clustering algorithms on embedded channels

