2. Simplicial (Complex) Convolutional NNs

Simplicial CNNs

Linear

$$\mathbf{H} := \mathbf{H}(\mathbf{L}_{d}, \mathbf{L}_{u}; \boldsymbol{\alpha}, \boldsymbol{\beta}) = \sum_{k=0}^{K_{d}} \alpha_{k} \mathbf{L}_{d}^{k} + \sum_{k=0}^{K_{u}} \beta_{k} \mathbf{L}_{u}^{k}$$

Non-Linear

