

Overview

Convolution (Filters)

Statistical Learning
Gaussian Processes

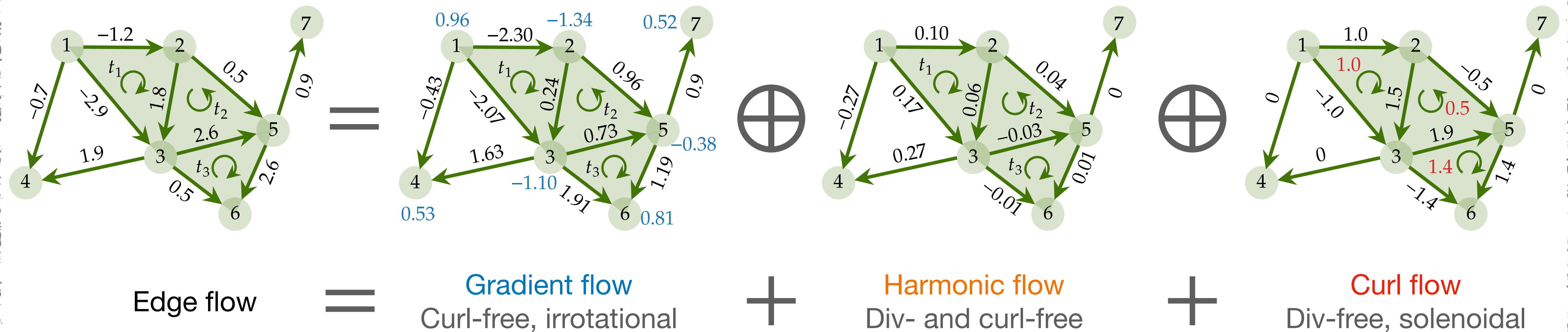
Simplicial Complex

Convolutional NNs

Generative learning
(Distribution matching)

Overview

Hodge decomposition



$$\mathbb{R}^{N_1} = \text{im}(\mathbf{B}_1^T) \oplus \text{ker}(\mathbf{L}_1) \oplus \text{im}(\mathbf{B}_2)$$

$$\mathbf{f}_1 = \mathbf{f}_G + \mathbf{f}_H + \mathbf{f}_C$$