

from trigonometry import cot

$$L_{i,j} = \begin{cases} \cot(\alpha_{i,j}) + \cot(\beta_{i,j}) & \text{if } j \in N(i) \\ 0 & \text{otherwise} \end{cases}$$
$$L_{i,i} = - \sum_{k \neq i} L_{i,k}$$

where

- $L \in \mathbb{R}^{n \times n}$
- $\alpha \in \mathbb{R}^{n \times n}$
- $\beta \in \mathbb{R}^{n \times n}$
- $N \in \mathbb{Z} \rightarrow \mathbb{Z}$