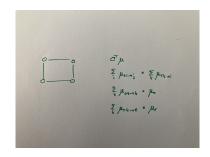
08.05.2024 graph of measures

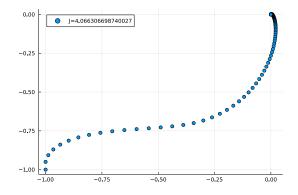
1 Background

$$\begin{split} & \text{minimize} & \sum_{u \to v} \ell_{u \to v} \cdot x_{u \to v} \\ & \text{subject to} & \sum_{u} x_{u \to s} - \sum_{w} x_{s \to w} = 1 \\ & \sum_{u} x_{u \to t} - \sum_{w} x_{t \to w} = -1 \\ & \sum_{u} x_{u \to v} - \sum_{w} x_{v \to w} = 0 & \text{for every vertex } v \neq s, t \\ & x_{u \to v} \geq 0 & \text{for every edge } u \to v \end{split}$$

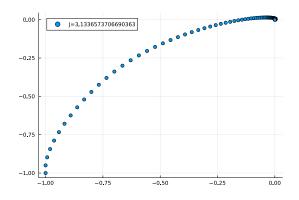
2 Method



3 Results



GMP lower bound 3.284206413152301



GMP lower bound 2.9969508477152416Graph of measures lower bound 2.996950836877236Path [9.579744885314905e-7, 9.57974555007202e-7, 0.99999990420255486, 0.9999990420255576]

4 References

https://arxiv.org/abs/math/0703377