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On the performance of greedy forwarding on Yao and theta graphs

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Highlights

NB: k denotes the number of cones in a Yao or Theta graph below.

- When $k < 6$, Yao or Theta graph is not void-free on certain node sets in the plane.
- When $k \geq 6$, both Yao and Theta graphs are void-free on any node set in the plane.
- GF performs better on Yao or Theta graphs with even k than those with odd k .
- Six is probably the most suitable k for Yao and Theta graphs as network topologies.
- We contributed our software for graph construction to CGAL (<http://www.cgal.org>).

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