

# 1-Fan-Bundle-Planar Drawings

Patrizio Angelini<sup>1</sup> Michael A. Bekos<sup>1</sup> Michael Kaufmann<sup>1</sup> Philipp Kindermann<sup>2</sup> Thomas Schneck<sup>1</sup>

<sup>1</sup>Wilhelm-Schickard-Institut für Informatik, Universität Tübingen

<sup>2</sup>LG Theoretische Informatik, FernUniversität in Hagen

<b>Problem</b> 
<b>Relationships</b> 
<b>1-sided</b> 
<b>2-sided</b> 

- References**
- [1] D. Holten. Hierarchical edge bundles: Visualization of adjacency relations in hierarchical data. *IEEE Trans. Vis. Comp. Graph.*, 12(5):741–748, 2006.
  - [2] A. Telea and O. Ersoy. Image-based edge bundles: Simplified visualization of large graphs. *Comput. Graph. Forum*, 29(3):843–852, 2010.
  - [3] M. Kaufmann and T. Ueckerdt. The density of fan-planar graphs. *ArXiv* 1403.6184, 2014.
  - [4] M. A. Bekos, S. Cornelsen, L. Grilli, S. Hong, and M. Kaufmann. On the recognition of fan-planar and maximal outer-fan-planar graphs. In C. A. Duncan and A. Symvonis, editors, *Graph Drawing*, volume 8871 of *LNCS*, pages 198–209. Springer, 2014.
  - [5] C. Binucci, E. Di Giacomo, W. Didimo, F. Montecchiani, M. Patrignani, A. Symvonis, and I. G. Tollis. Fan-planarity: Properties and complexity. *TCS*, 589:76–86, 2015.
  - [6] C. Binucci, M. Chimani, W. Didimo, M. Gronemann, K. Klein, J. Kratochvíl, F. Montecchiani, and I. G. Tollis. 2-layer fan-planarity: From caterpillar to stegosaurus. In E. Di Giacomo and A. Lubiw, editors, *Graph Drawing*, volume 9411 of *LNCS*, pages 281–294. Springer, 2015.