



[Topology tracking for the visualization of time-dependent two-dimensional flows.Tricoci Wischgoll, Scheuermann, and Hagen. Computers & Graphics 26:2 (2002), 249–257.]

- millions of samples, hundreds of streamlines

the start start (2010), 3-282	 task part-to-whole judgements normalized stacked bar chart stacked bar chart, normalized to full vert height single stacked bar equivalent to full pie high information density: requires narrow rectangle pie chart information density: requires large circle
ess, Oct 2014.	Arrange spatial data (a) Use Given (b) Geometry (c) Geographic (c) Other Derived (c) Spatial Fields (c) Spatial Fields
23	 Vector and Tensor Fields (many values per cell) Flow Glyphs (local) Geometric (sparse seeds) Textures (dense seeds) Features (globally derived)
Tuch Computer Science, 2002	<section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header></section-header>
international seeding and the	 Further reading Visualization Analysis and Design. Munzner. AK Peters / CRC Press, Oct 2014. - Chap 8:Arrange Spatial Data How Maps Work: Representation, Visualization, and Design. MacEachren. Guilford Press, 1995. Overview of visualization. Schroeder and. Martin. In The Visualization Handbook, edited by Charles Hansen and Christopher Johnson, pp. 3–39. Elsevier, 2005. Real-Time Volume Graphics. Engel, Hadwiger, Kniss, Reza-Salama, and Weiskopf. AK Peters, 2006. Overview of flow visualization. Weiskopf and Erlebacher. In The Visualization Handbook, edited by Charles Hansen and Christopher Johnson, pp. 261–278. Elsevier, 2005.

Idioms: normalized stacked bar chart

Next Time

• to read

- -VAD Ch. 9: Networks
- <u>Topological Fisheye Views for Visualizing Large Graphs</u>, Emden Gansner, Yehuda Koren and Stephen North. IEEE TVCG 11(4):457-468, 2005.
- paper type: technique