TU/e technische universiteit eindhoven

Different data, different people

Some gross simplifications & sweeping statements

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SciVis, InfoVis – bridging the community divide?!

Panel IEEE Vis 2006, Baltimore

Different data, different applications

	Data	Examples	Applications
InfoVis:	Discrete Abstract	Tables, trees, graphs	Social vis Software vis
SciVis:	Continuous Spatial	Scalar and vector fields	Medical vis Flow vis

(And where to fit GeoVis, ChemVis, TimeVis, …?)

Different people, different interests

	Discipline	Examples	Issues
InfoVis:	HCI Psych.	Interaction Readability	Usability Perception
SciVis:	Graphics Comp. Sc.	GPUs Iso-surfaces	Rendering Performance

(And where to fit Graph Drawing, …?)

Standard distinction…

	Data	Discipline
InfoVis:	Discrete Abstract	HCI Psych.
SciVis:	Continuous Spatial	Graphics Comp. Sc.

Coherent topics, coherent approaches, coherent communities, …

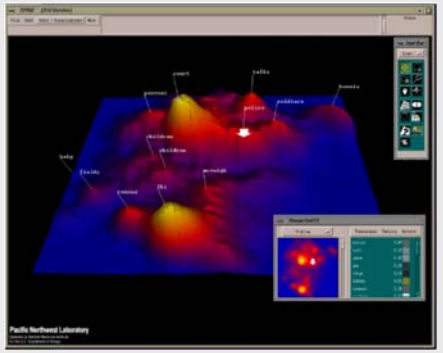
Standard distinction…

	Data	Discipline
InfoVis:	Discrete Abstract	HCI Psych.
SciVis:	Continuous Spatial	Graphics Comp. Sc.

?

Cross-over is more fun

	Data	Discipline
InfoVis:	Discrete	HCI
	Abstract	Psych.
SciVis:	Continuous	Graphics
	Spatial	Comp. Sc.



ThemeScape,

Wise et al.

Cross-over is more fun

	Data	Discipline
InfoVis:	Discrete	HCI
	Abstract	Psych.
SciVis:	Continuous	Graphics
	Spatial	Comp. Sc.

Feature detection

Samtaney et al.

Cross-over is more fun

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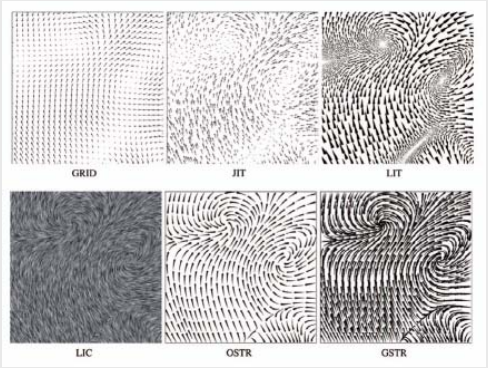

Comp. 2D flow vis

Laidlaw et al.

Cross-over is more fun

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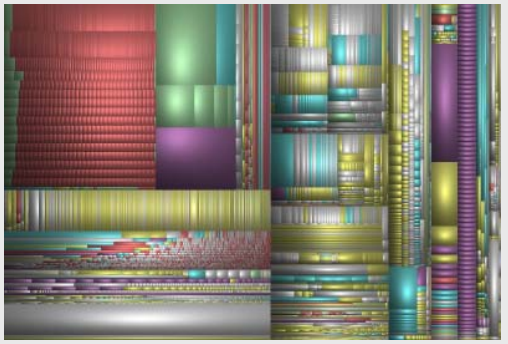

Cushion treemap

Van Wijk et al.

Optimal combination…

	Data	Discipline
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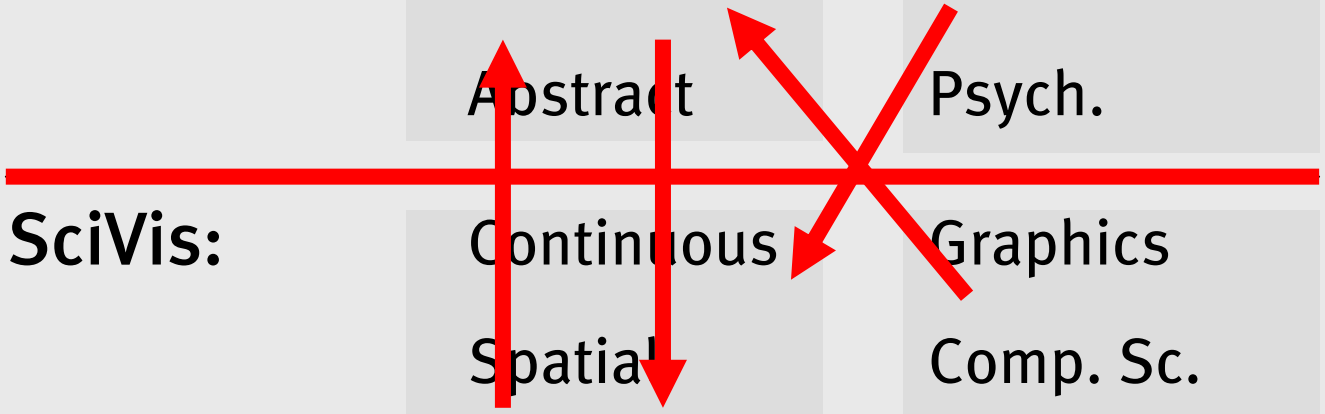
SciVis:	Continuous Spatial	Graphics Comp. Sc.



The Zen of Visualization

There is no difference
between InfoVis and SciVis

A new name for our fields

InfoVis?

SciVis?

XVis!