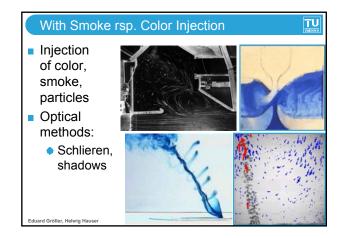
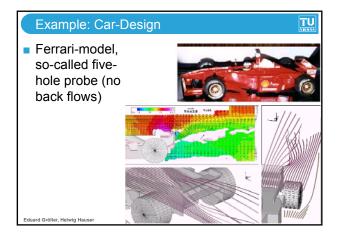
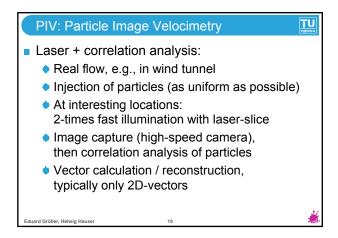
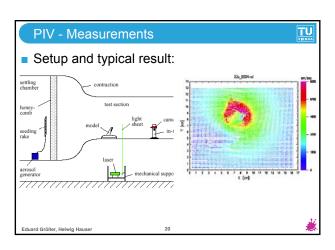


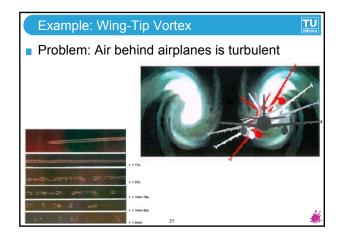
Experimental
Flow Visualization
Optical Methods, etc.

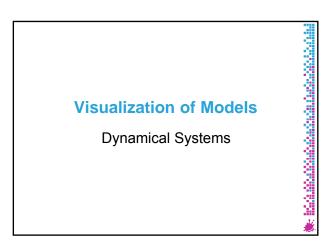


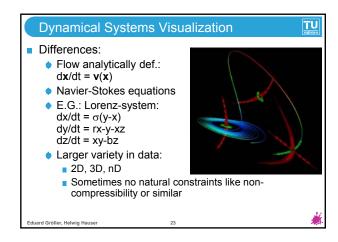


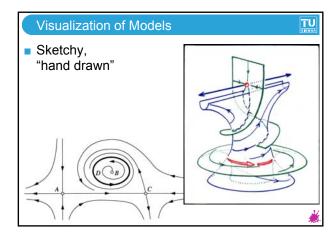


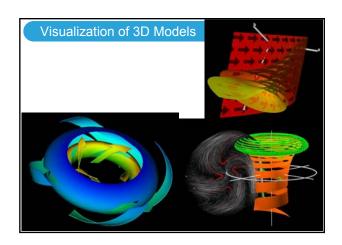




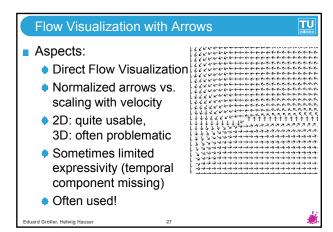


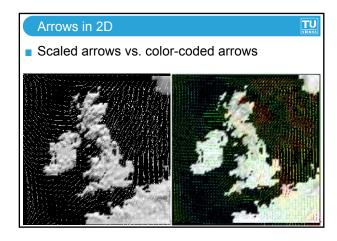


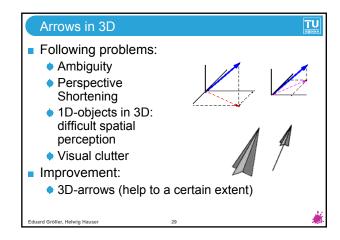


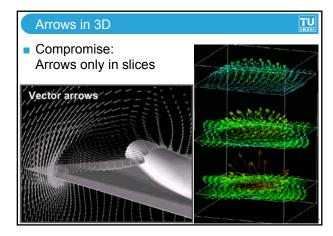


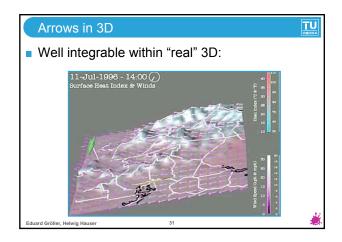
Flow Visualization with Arrows Hedgehog plots, etc.

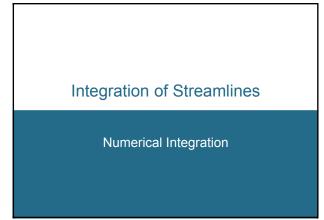


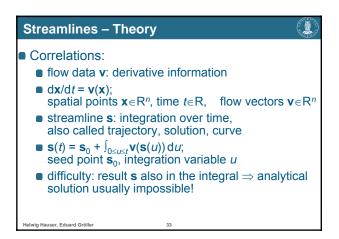


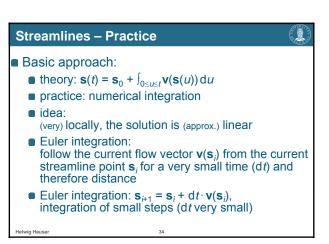


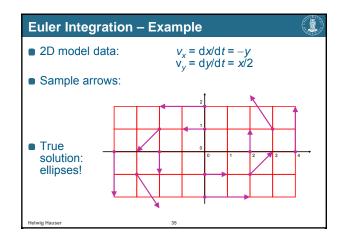


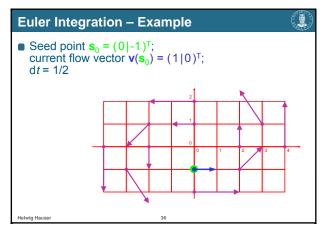


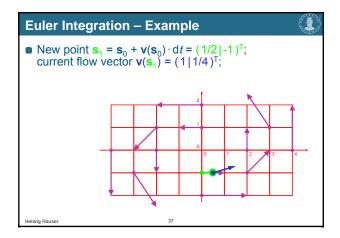


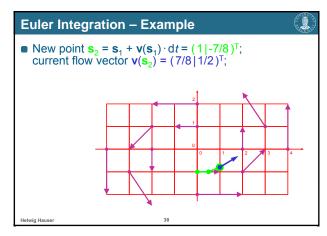


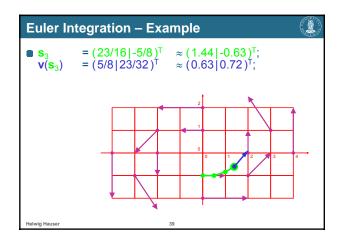


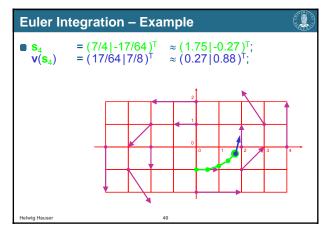


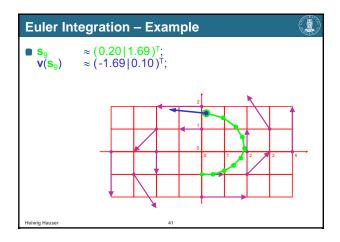


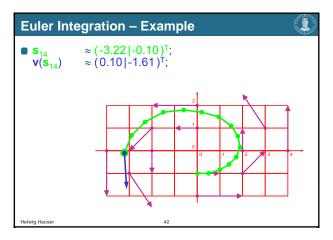


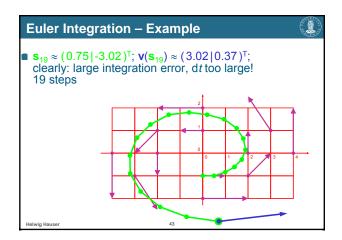


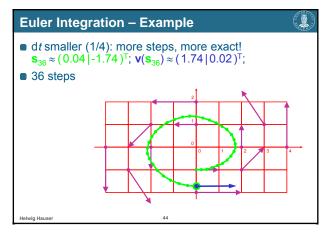


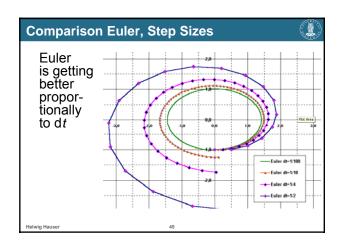


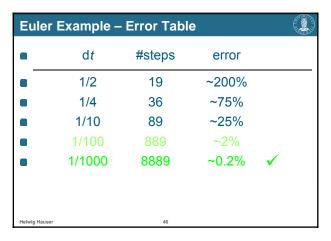


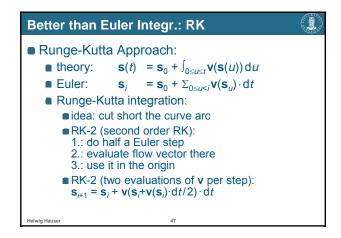


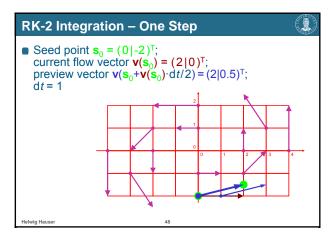


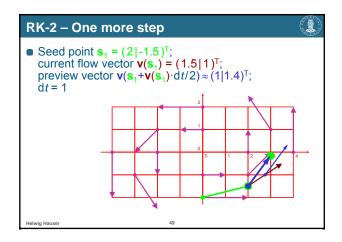


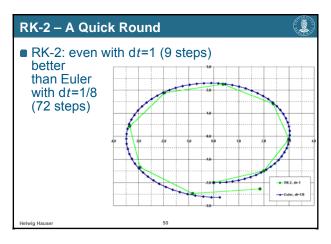


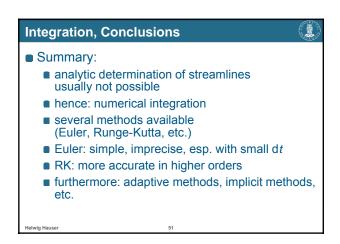


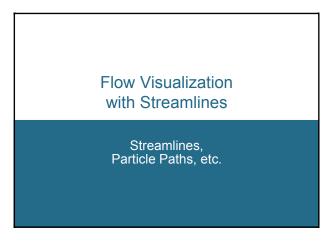


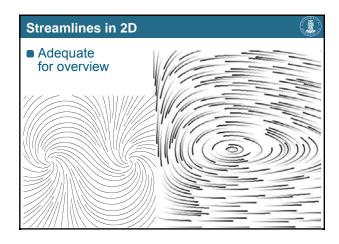


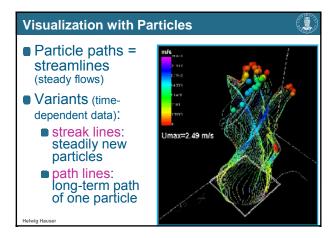


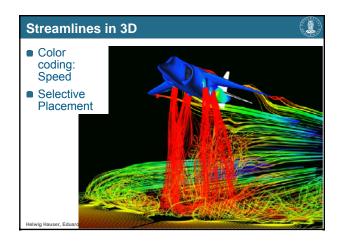


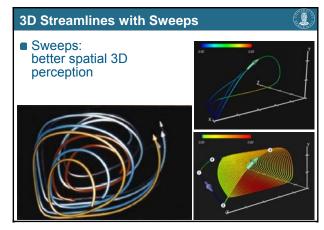


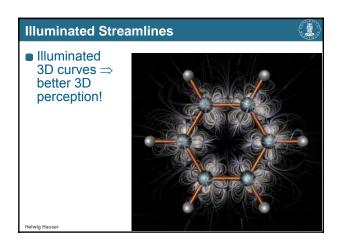


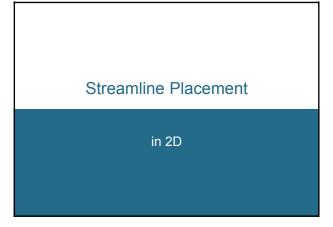


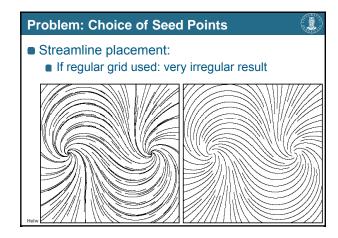


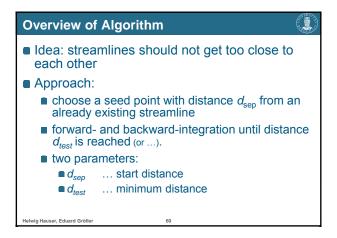


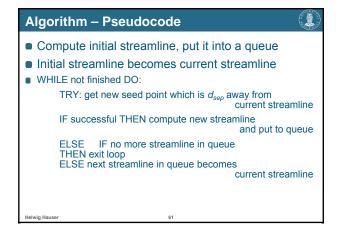


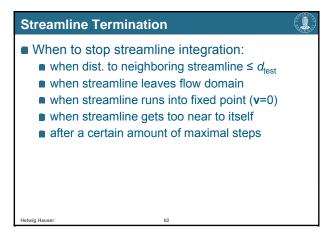


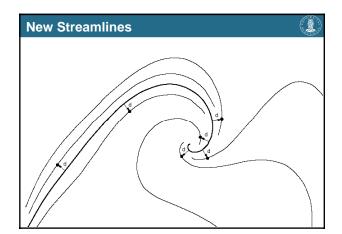


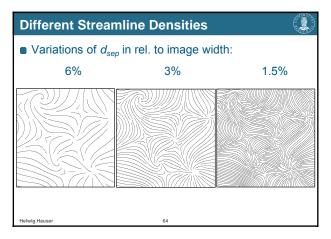


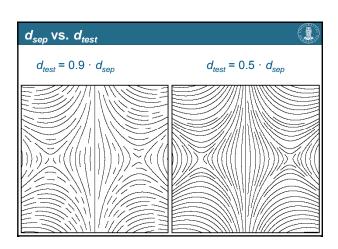


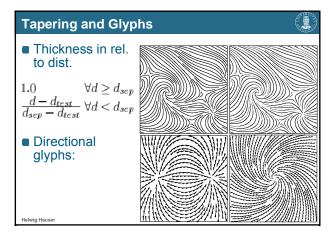


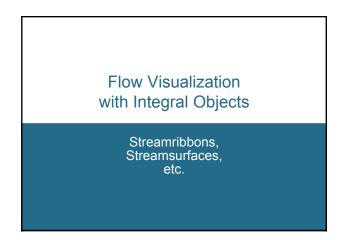


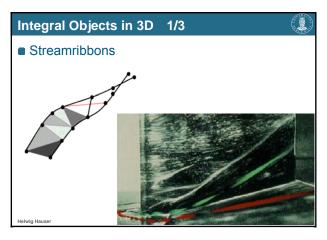


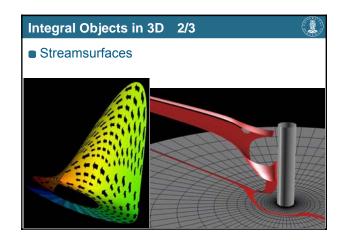


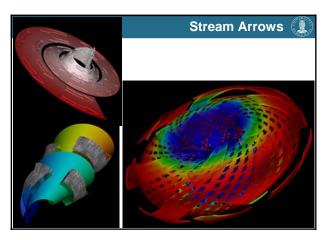


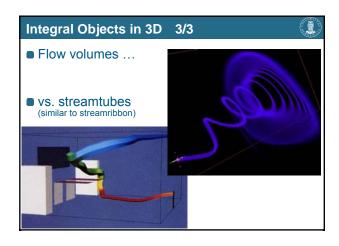




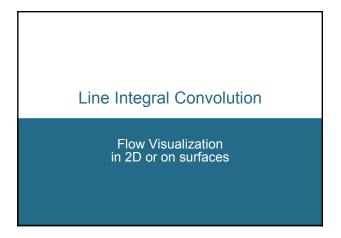


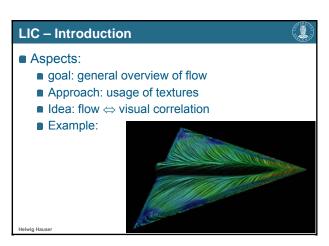


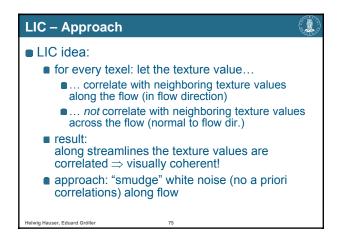


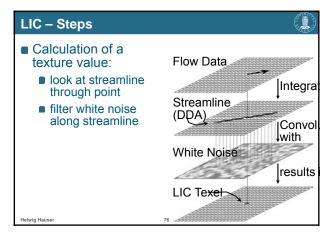


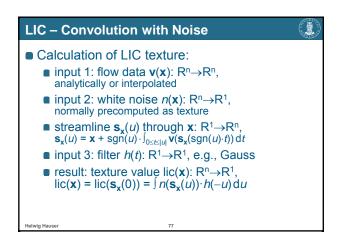
Relation to Seed Objects			
■ IntegralObj.	Dim.	SeedObj.	Dim.
Streamline, Streamribbon Streamtube	1D 1D++ 1D++	Point Point+pt. Pt.+cont.	0D 0D+0D 0D+1D
Streamsurface	2D	Curve	1D
Flow volume	3D	Patch	2D
Helwig Hauser	72		

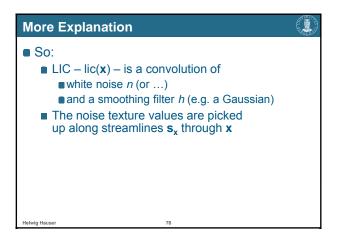


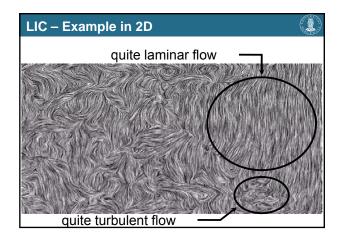


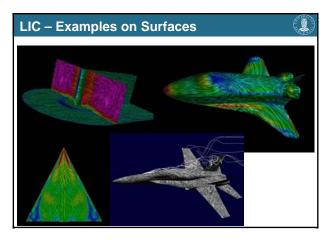


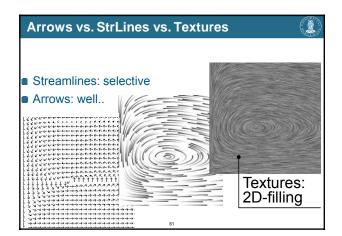


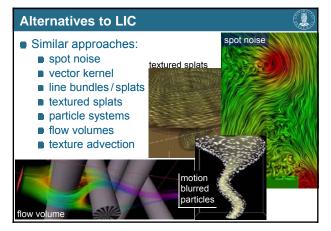






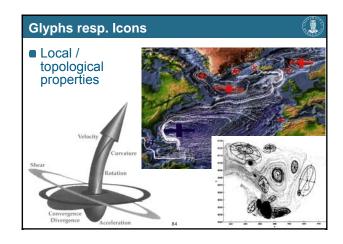


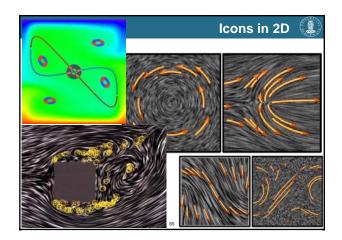


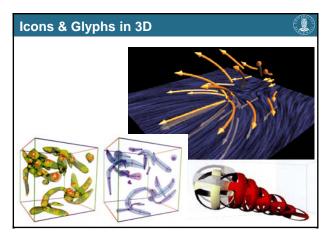


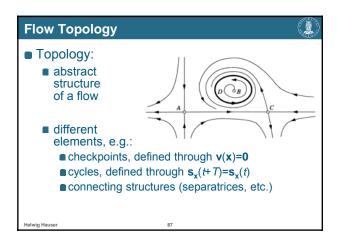
Flow Visualization dependent on local props.

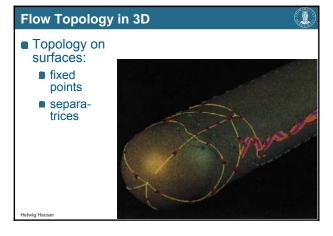
Visualization of ∇v

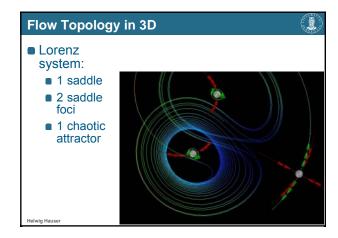


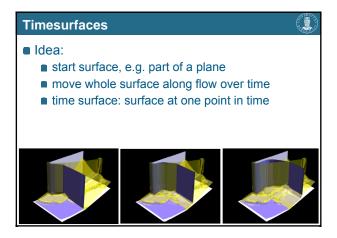












Literature, References

- B. Jobard & W. Lefer: "Creating Evenly-Spaced Streamlines of Arbitrary Density" in Proceedings of 8th Eurographics Workshop on Visualization in Scientific Computing, April 1997, pp. 45-55
- B. Cabral & L. Leedom: "Imaging Vector Fields Using Line Integral Convolution" in *Proceedings of SIGGRAPH* '93 = Computer Graphics 27, 1993, pp. 263-270
- D. Stalling & H.-C. Hege: "Fast and Resolution Independent Line Integral Convolution" in Proceedings of SIGGRAPH '95 = Computer Graphics 29, 1995, pp. 249-256

Acknowledgements



- For material for this lecture unit
 Hans-Georg Pagendarm

 - Roger Crawfis Lloyd Treinish

 - David Kenwright Terry Hewitt Bruno Jobard

 - Malte Zöckler Georg Fischel Helwig Hauser Bruno Jobard

 - Jeff Hultauist

 - Lukas Mroz, Rainer Wegenkittl
 Nelson Max, Will Schroeder et al.
 Brian Cabral & Leith Leedom
 David Kenwright
 Didien Westermann

 - Rüdiger Westermann
 Jack van Wijk, Freik Reinders, Frits Post, Alexandru Telea, Ari Sadarjoen

