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# **The Language of Graphics**

**A framework for the analysis of syntax and meaning  
in maps, charts and diagrams**



# The Language of Graphics

A framework for the analysis of syntax and meaning  
in maps, charts and diagrams

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor  
aan de Universiteit van Amsterdam  
op gezag van de Rector Magnificus  
prof. mr. P.F. van der Heijden  
ten overstaan van een door het college  
voor promoties ingestelde commissie,  
in het openbaar te verdedigen  
in de Aula der Universiteit  
op vrijdag 13 september 2002, te 14.00 uur

door

Jörg von Engelhardt

geboren te Hannover, Duitsland

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Universiteit van Amsterdam

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*To Lieve Witteveen*

*the most amazing person on this planet*

