

Semantics

Group 2

Scale and semantics

- One view: larger scale, more important the semantics; smaller scale, more dominant the geometric
- Another view: opposite, although less dramatic change in geometry,

Operators and semantics

- Some generalization operators contain semantic transformation already
- but lack of quantitative measures

Feature and semantics

- Semantic information is imbedded in each feature, class and/or objects

Purpose and generalization

- Two types of generalization
 - scale-driven
 - purpose-driven
- Two types of purpose
 - general purpose => more difficult
 - Special purpose => relatively easier

Rules and semantics

- Explicit rules required
- For thematic maps, from the semantics of the theme
- For topographic maps, some have been tried
 - Functional, procedural, structural
 - Attributes may be used only if relevant

Semantics of Generalisation

- Core functions as general platform
- Specific functions for specialized maps
- Rules formed from specialized discipline
- Specialized generalization system to be built by customization

Generalization of Generalization

- Should be or can we accept conflicts, as conflicts existed in reality?
- Can we leave the consideration of exaggeration and importance at the customization stage?