Institute of Information Systems & Information Management

Video Browsing Tool

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Agenda

1. Motivation
2. Main functionalities
3. Software Demo
Motivation (1)
MM Data Mining

Analyze

Search

Multimedia data

Metadata Indexes

Visualize
Possibilities to Search

- **Query based search**
  - either text or content based or combined
  - user knows what he is looking for

- **(Visual) Browsing**
  - user wants to get an overview of existing material
Search Approach
Video Browsing Tool

- Iterative clustering by different features and filtering
- User narrows content set
Implemented Clustering Features

- Camera motion
- Motion activity
- Audio level
- Color similarity
- Face occurrences
- Coming soon: setting detection (via object similarity)
Video Browsing Tool
Software Demo