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Application to Consumer Video Browsing; 4.7 Systematic Acquisition of Key Audio Classes; 4.8 Possibilities for Future Research Chapter 5. Video Indexing5.1 Introduction; 5.2 Indexing with Low-Level Features: Motion; 5.3 Indexing with Low-Level Features: Color; 5.4 Indexing with Low-Level Features: Texture; 5.5 Indexing with Low-Level Features: Shape; 5.6 Indexing with Low-Level Features: Audio; 5.7 Indexing with User Feedback; 5.8 Indexing Using Concepts; 5.9 Discussion and Conclusions; Chapter 6. A Unified Framework for Video Summarization, Browsing, and Retrieval; 6.1 Video Browsing; 6.2 Video Highlights Extraction; 6.3 Video Retrieval; 6.4 A Unified Framework for Summarization, Browsing, and Retrieval 6.5 Conclusions and Promising Research DirectionsChapter 7. Applications; 7.1 Introduction; 7.2 Consumer Video Applications; 7.3 Image/Video Database Management; 7.4 Surveillance; 7.5 Challenges of Current Applications; 7.6 Conclusions; Chapter 8. Conclusions; Bibliography; About the Authors; Index

Sommario/riassunto

Large volumes of video content can only be easily accessed by the use of rapid browsing and retrieval techniques. Constructing a video table of contents (ToC) and video highlights to enable end users to sift through all this data and find what they want, when they want are essential. This reference puts forth a unified framework to integrate these functions supporting efficient browsing and retrieval of video content. The authors have developed a cohesive way to create a video table of contents, video highlights, and video indices that serve to streamline the use of applications in consumer an