

Characteristics of a Digital Image Database to Meet the Needs of Instruction, Study and Research in Israeli Institutions of Higher Education

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Abstract:

This study has analyzed the construction and characterization of digital image databases and their suitability for research and educational activities. It has surveyed the opinions of students and faculty from the Humanities departments of various Israeli universities. The goal of this study was to discover the functions of an ideal electronic image database serving educational and research purposes, as well as provide clear criteria for the definition of an "ideal image database".

This paper analyses examples of a variety of electronic databases, while pointing out their advantages and disadvantages.

The review of the relevant literature covered the following topics:

- Metadata issues
- Indexing methods of the images
- Image retrieval
- The images of the database: quality – standards and quality control
- User interface design
- Usability surveys of digital image databases and the user's needs
- Digital image databases as a tools for learning, teaching and research
- The role of the library in incorporating the digital images in the teaching process

The leading questions of the research were:

- Who should participate in the construction of the database?

