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# A Selection of Image Understanding Techniques

From Fundamentals to Research Front

**Yu-Jin Zhang**

This book offers a comprehensive introduction to seven commonly used image understanding techniques in modern information technology. It covers camera model and calibration, stereo vision, generalized matching, scene analysis and semantic interpretation, multi-sensor image information fusion, content-based visual information retrieval, and understanding spatial-temporal behavior. This is an excellent read for those who do not have a subject background in image technology but need to use these techniques to complete specific tasks. These essential information will also be useful for their further study in the relevant fields.

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