

Computer Vision

Liming Zhang

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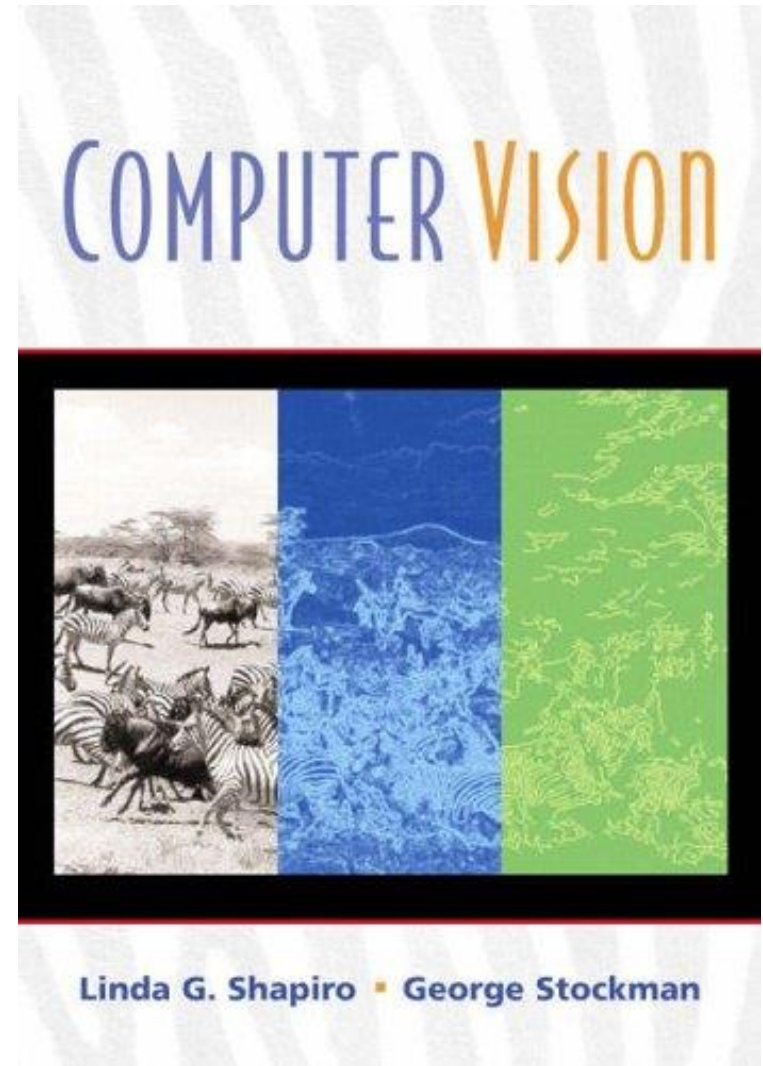
Office hour: Tue & Fri.: 11:30-12:30

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Reference Books

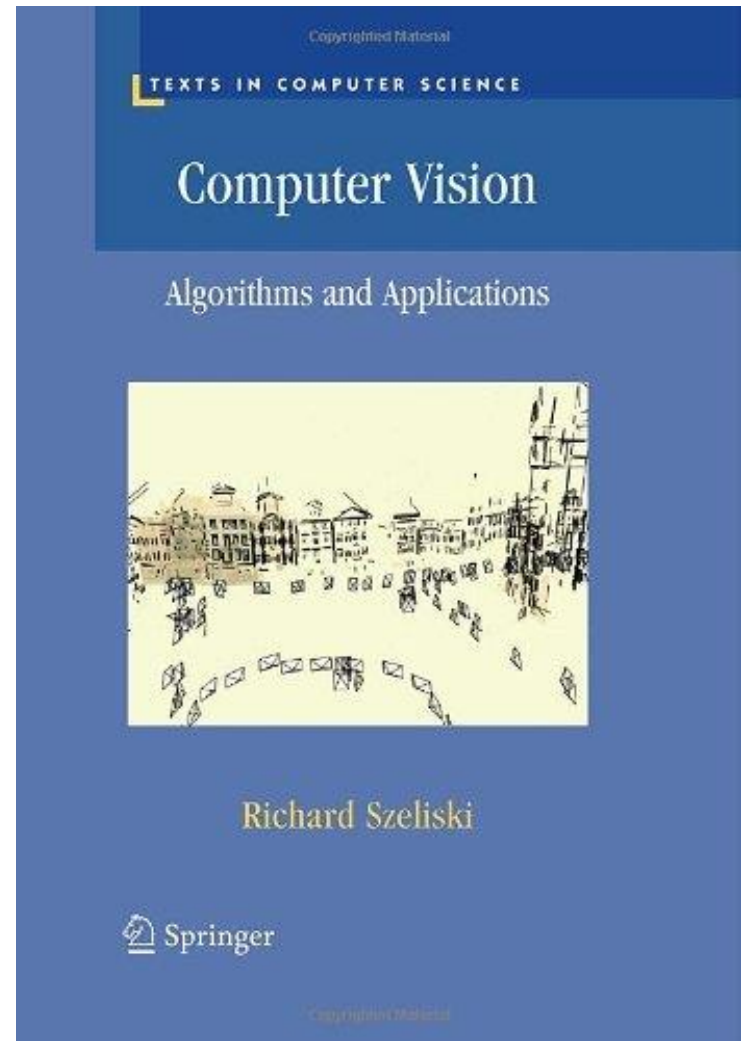
■ Computer Vision

-- Linda G. Shapiro and
George C. Stockman
Prentice Hall



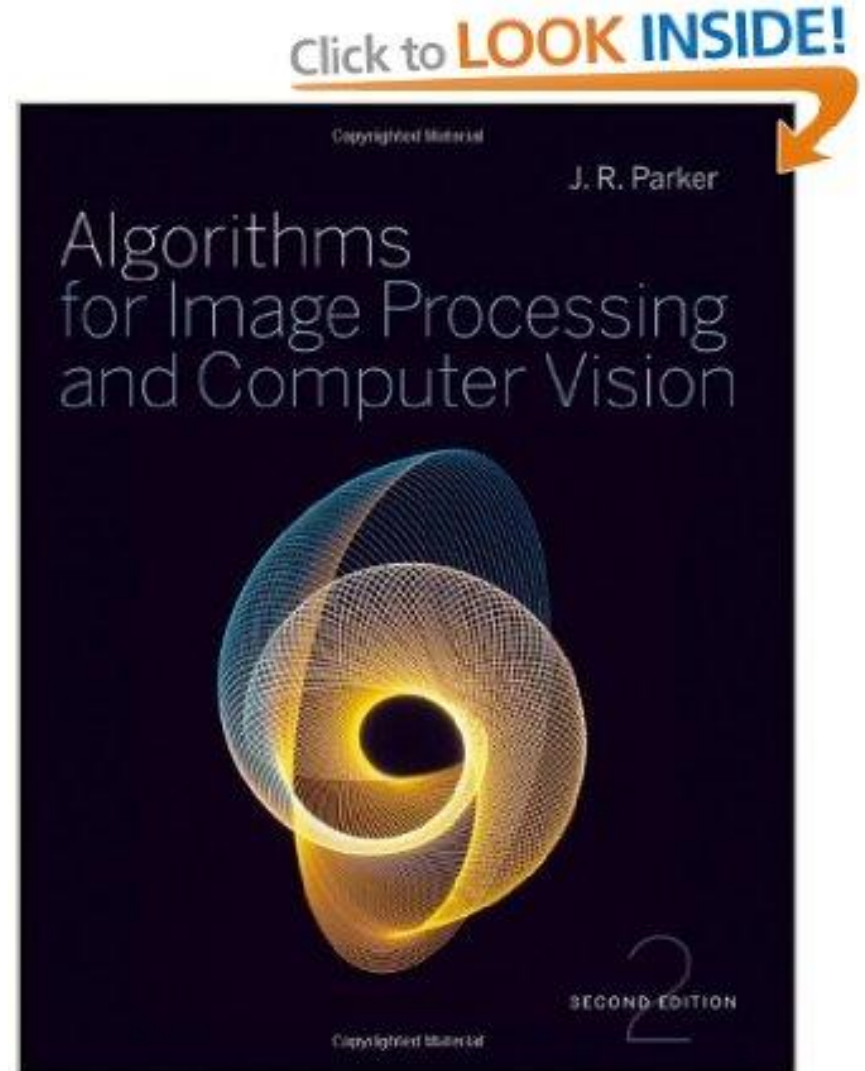
■ Computer Vision Algorithms and Applications

---Richard Szeliski,
Springer.



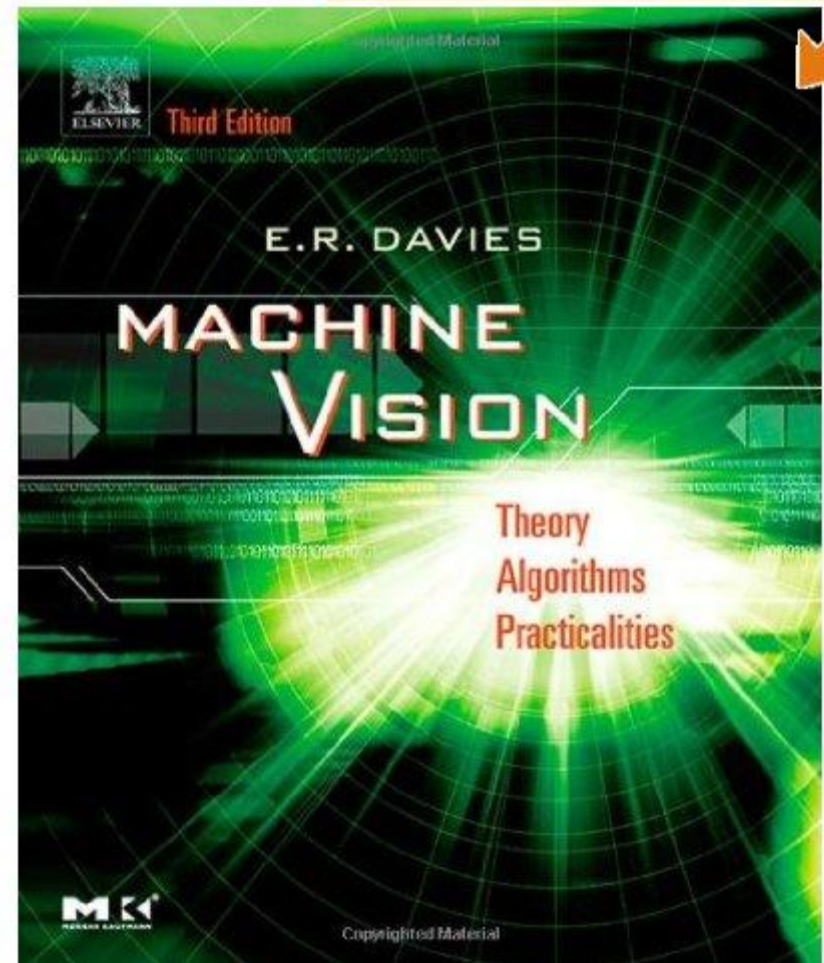
■ Algorithms for Image Processing and Computer Vision

--J. R. Parker



在线试读!

- **Machine Vision –
Theory,
Algorithms,
Practicalities**
---(Third Edition)
E.R.DAVIES,
Elsevier



Contents

- **Binary image analysis**
 - **Grey-level image processing fundamentals**
 - **Edge detection techniques**
 - **Digital morphology (形態學)**
 - **Color image analysis**
 - **Frequency representation**
 - **Introduction to OpenCV**
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Assessment

- **Assignments: 20%** (2 assignments, 10% each)
 - **Final Project (group): 15%**
 - **Lab exercises : 5%**
 - **Exam**
 - Mid Term: 20%
 - Final Exam: 40%
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