Computer Vision - Lecture 22 Repetition 03.02.2015

RWTH Aachen http://www.vision.rwth-aachen.de

Announcements • Exam • 1st Date: Monday, 23.02., 13:30 - 17:30h • 2nd Date: Thursday, 26.03., 09:30 - 12:30h • Closed-book exam, the core exam time will be 2h. • Admission requirement: 50% of the exercise points or passed test exam • We will send around an announcement with the exact starting times and places by email. • Test exam • Date: Thursday, 05.02., 09:15 - 10:45h, room UMIC 025 • Core exam time will be 1h • Purpose: Prepare you for the questions you can expect. • Possibility to collect bonus exercise points!

Announcements (2)

· Feedback to the lecture evaluation

Announcements (3)

• Today, I'll summarize the most important points from the lecture.

• It is an opportunity for you to ask questions...

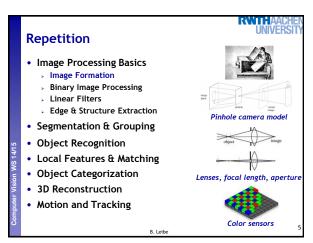
• ...or get additional explanations about certain topics.

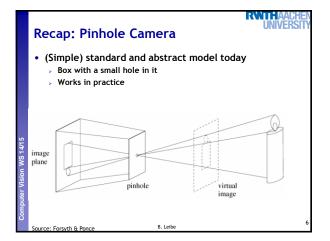
• So, please do ask.

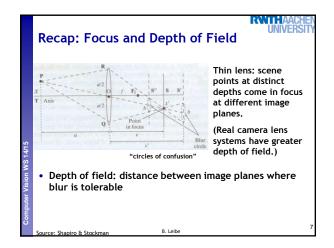
• Today's slides are intended as an index for the lecture.

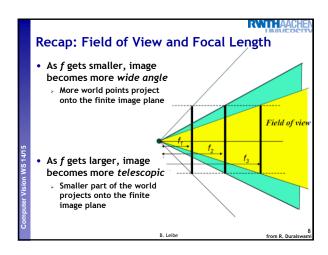
• But they are not complete, won't be sufficient as only tool.

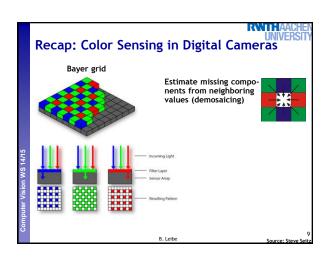
• Also look at the exercises - they often explain algorithms in detail.

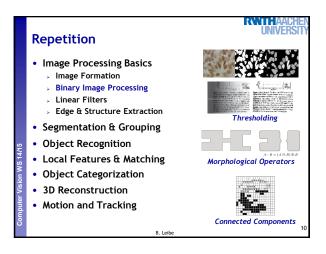


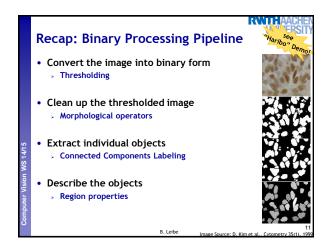


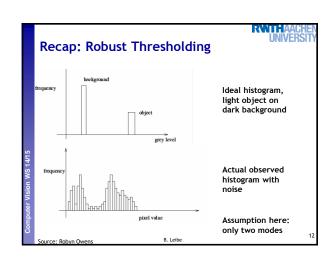


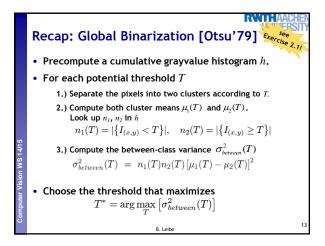


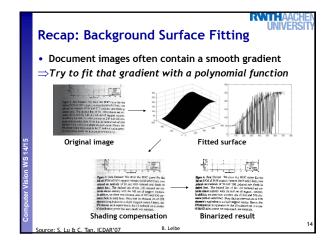


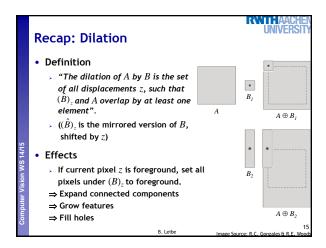


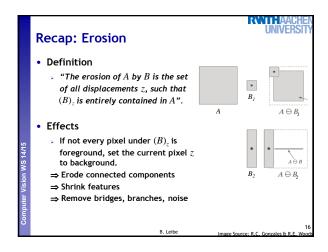


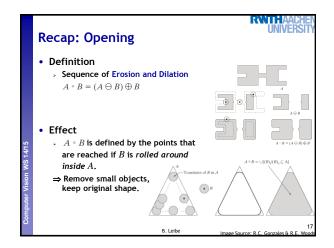


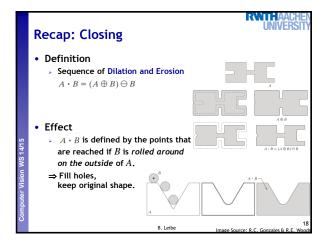


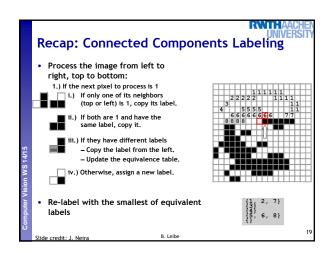


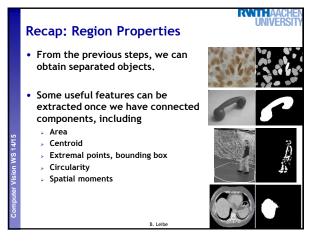


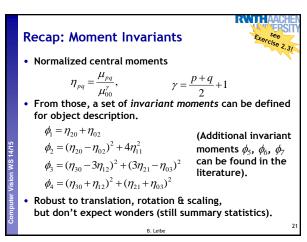


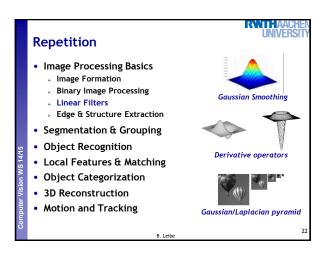


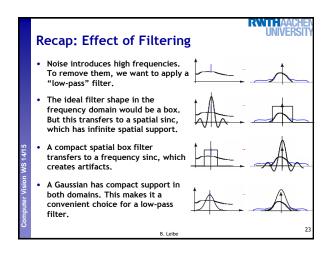


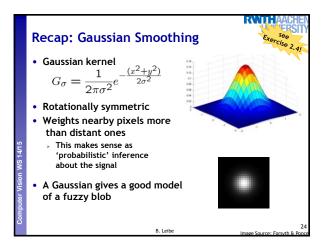


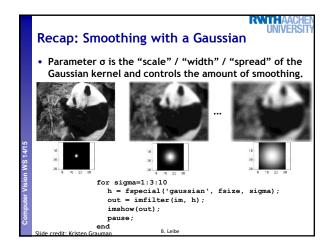


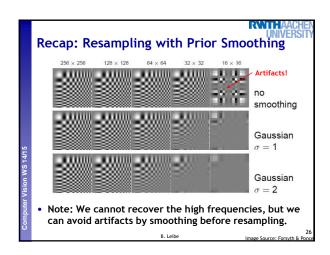


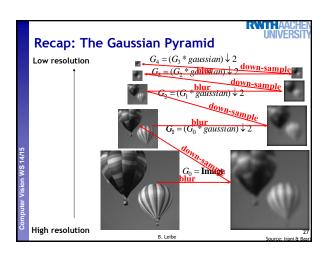


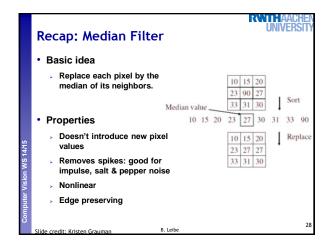


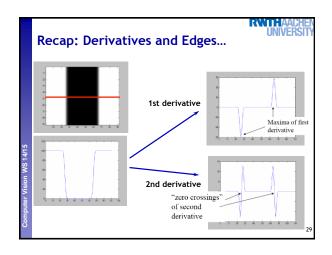


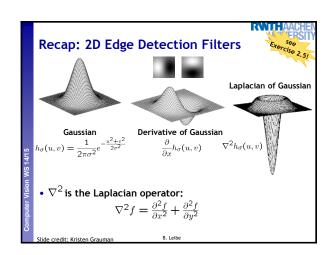


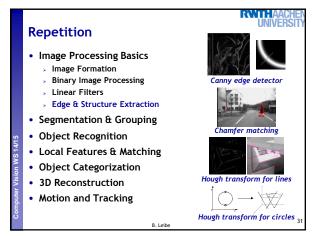


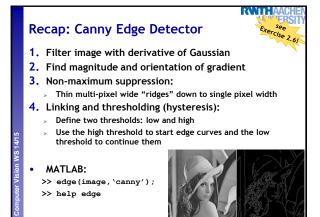




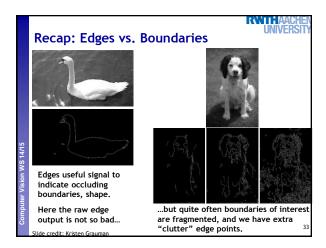


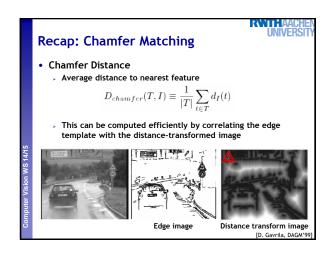




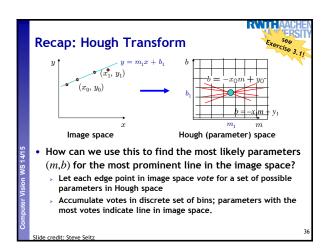


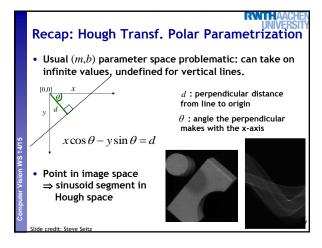
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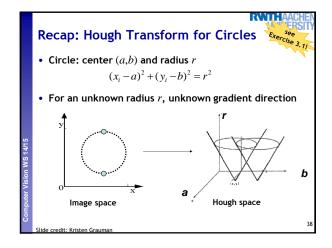


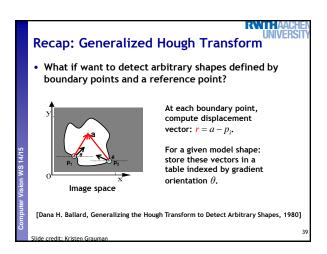


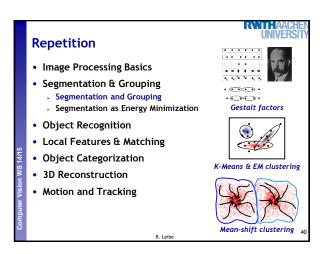


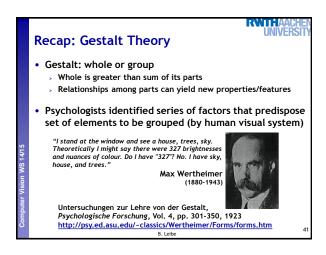


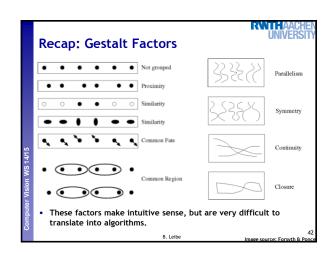


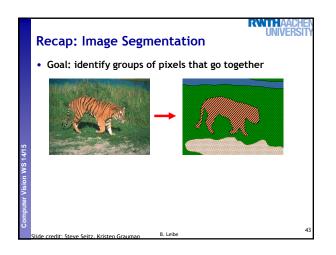


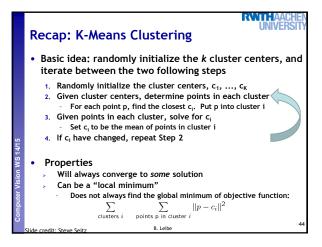


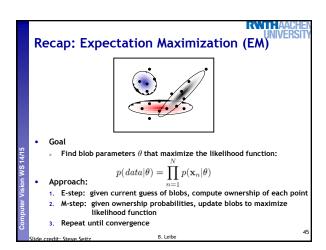


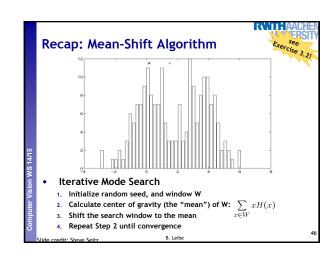


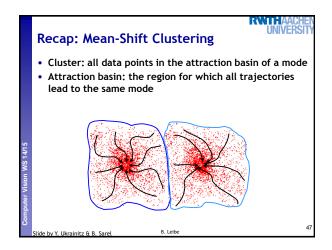


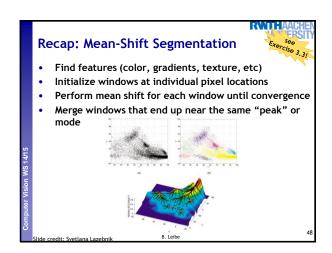


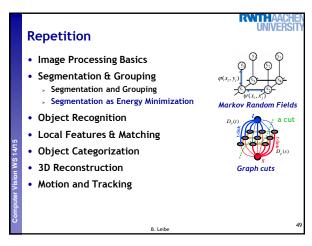


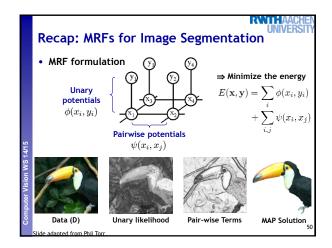


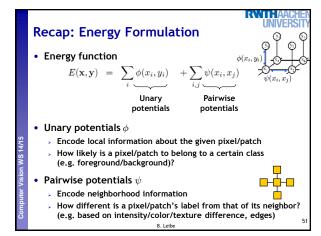


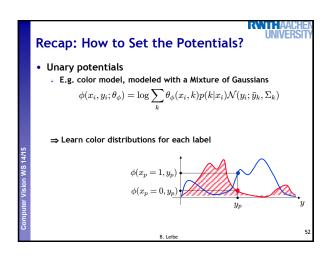


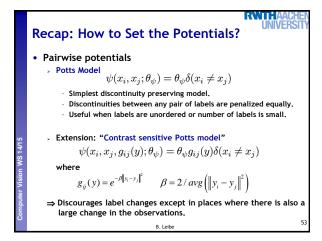


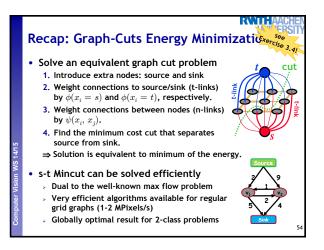


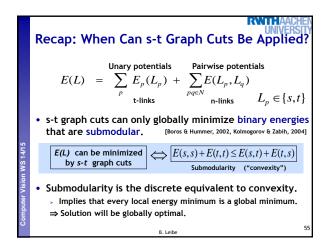


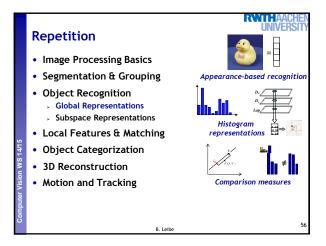


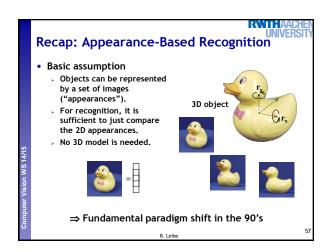


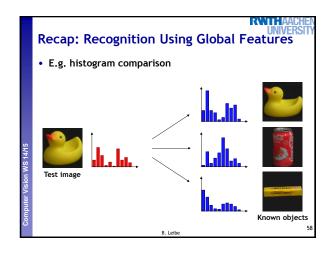


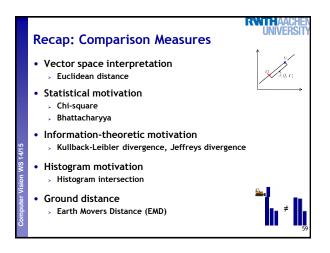


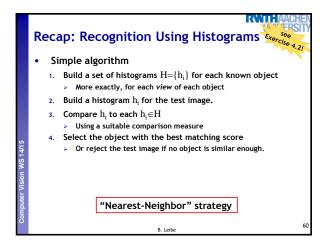


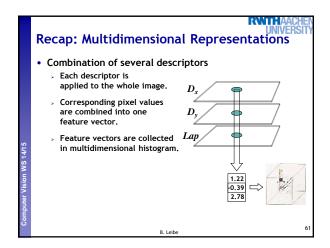


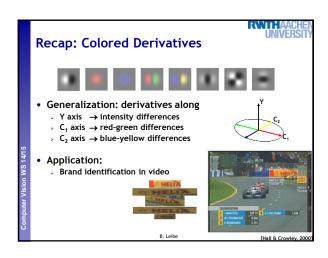


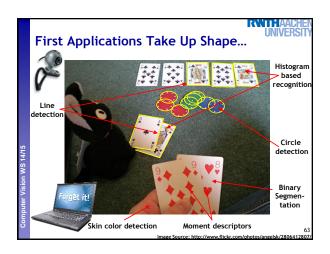


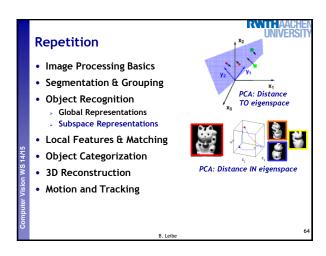


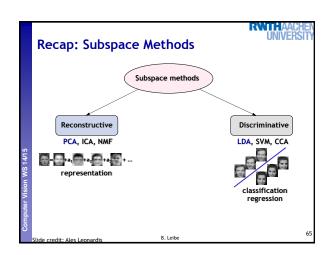


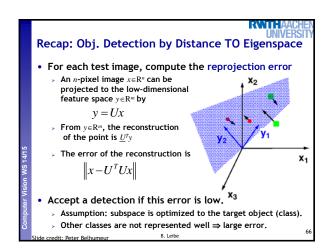


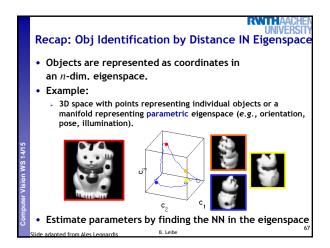


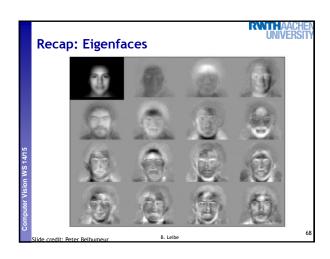


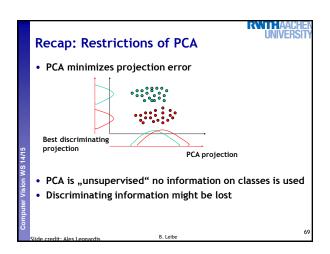


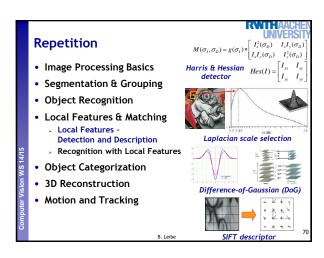


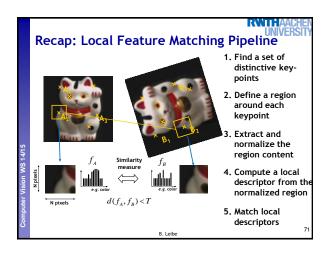


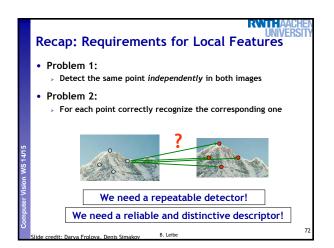


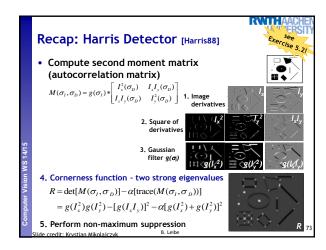


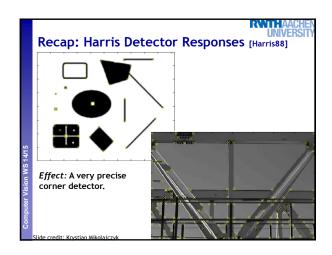


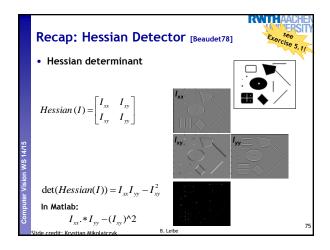


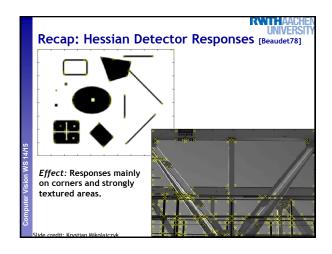


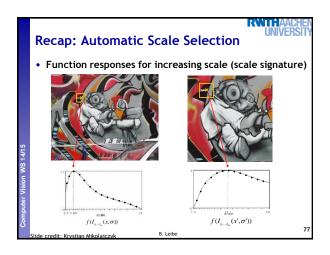


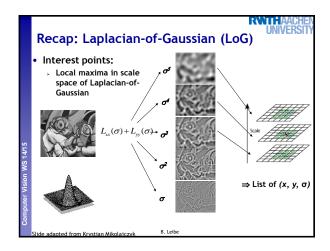


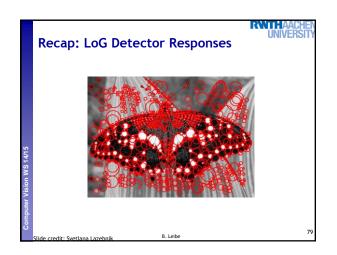


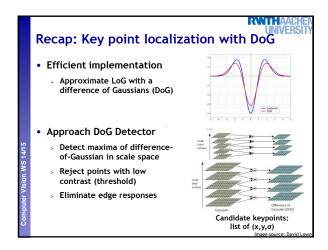


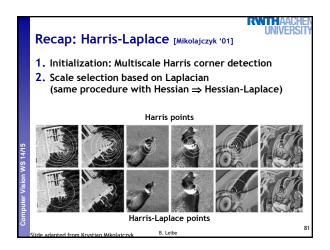


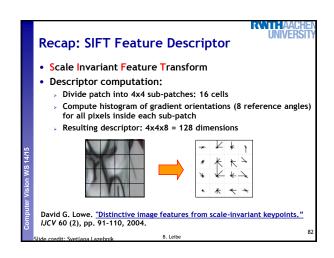


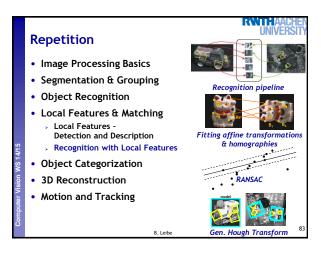


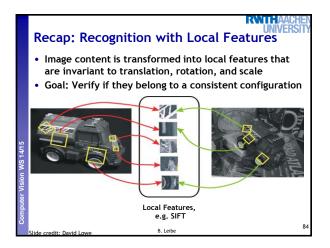


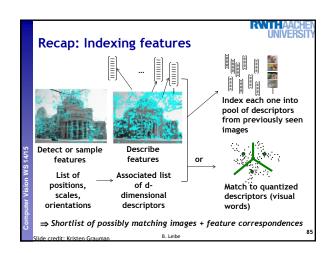


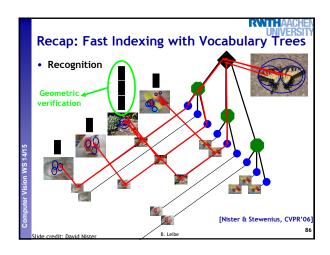


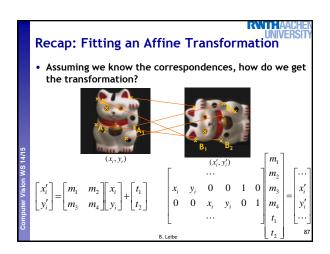


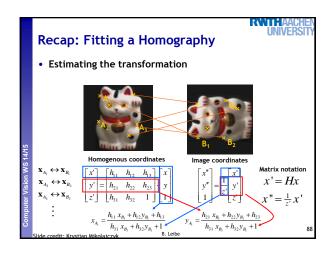


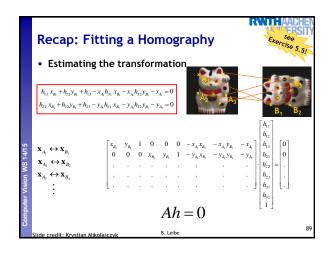


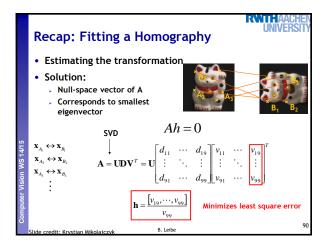












Recap: RANSAC RANSAC loop: 1. Randomly select a seed group of points on which to base transformation estimate (e.g., a group of matches) 2. Compute transformation from seed group 3. Find inliers to this transformation 4. If the number of inliers is sufficiently large, recompute least-squares estimate of transformation on all of the inliers • Keep the transformation with the largest number of inliers slide credit: Kristen Grauman 8. Leibe RANSAC loop: 1. Randomly select a seed group of points on which to base transformation from seed group of matches) 2. Compute transformation from seed group 3. Find inliers 4. If the number of inliers is sufficiently large, recompute least-squares estimate of transformation on all of the inliers

