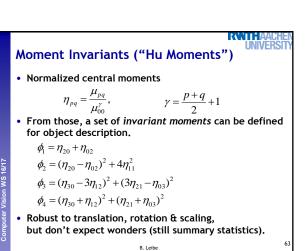
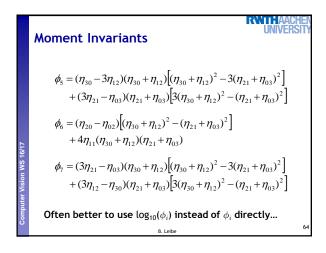
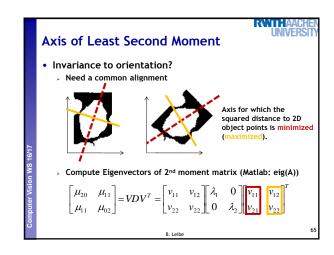


Central Moments • S is a subset of pixels (region). • Central $(j,k)^{\text{th}}$ moment defined as: $\mu_{jk} = \sum_{(x,y) \in S} (x-\overline{x})^j (y-\overline{y})^k$ • Invariant to translation of S. • Interpretation: • 0^{th} central moment: area• 2^{nd} central moment: variance• 3^{rd} central moment: variance• varia







Pros Pros Fast to compute, easy to store Simple processing techniques Can be very useful for constrained scenarios Cons Hard to get "clean" silhouettes Noise is common in realistic scenarios Can be too coarse a representation Cannot deal with 3D changes

