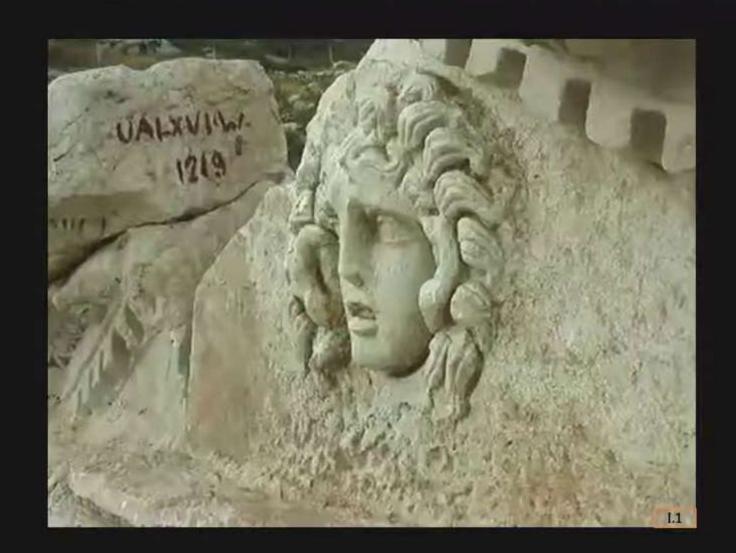
Shree K. Nayar Columbia University

Topic: Structure from Motion, Module: Reconstruction II

First Principles of Computer Vision

Uncontrolled (Casual) Video





Uncontrolled (Casual) Video





Uncontrolled (Casual) Video





Compute 3D scene structure and camera motion from a sequence of frames.



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Topics:

(1) Structure from Motion Problem



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Compute 3D scene structure and camera motion from a sequence of frames.

- (1) Structure from Motion Problem
- (2) SFM Observation Matrix



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- (4) Tomasi-Kanade Factorization

