CS6670: Computer Vision

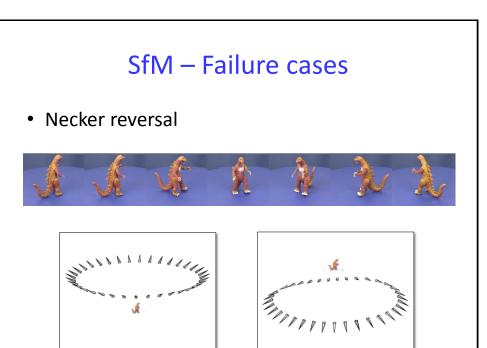
Noah Snavely

Lecture 23: Structure from motion 2



Readings

• Szeliski, Chapter 7.1 – 7.4

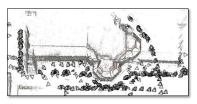


Structure from Motion – Failure cases

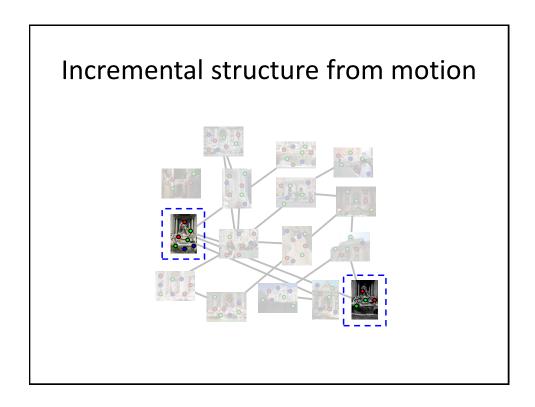
Repetitive structures

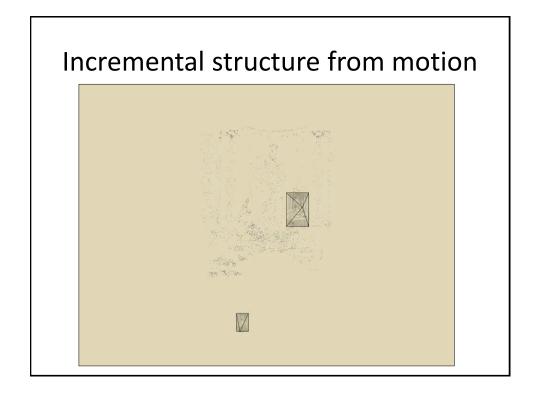


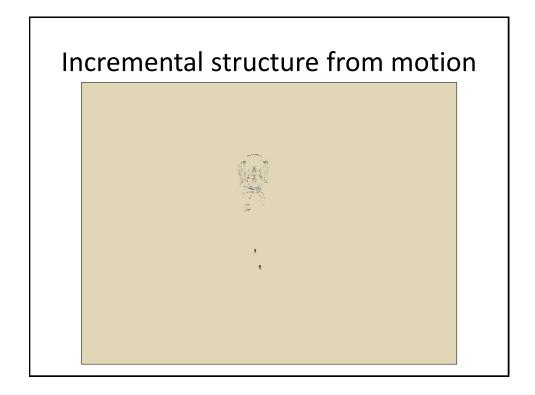






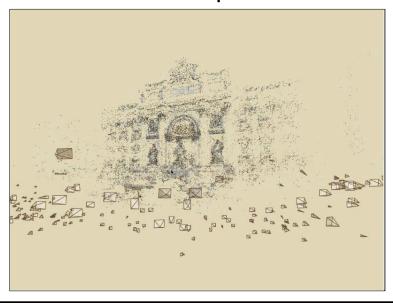






Incremental structure from motion

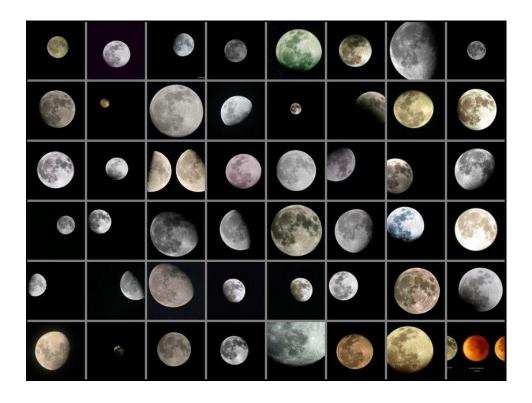
Photo Explorer

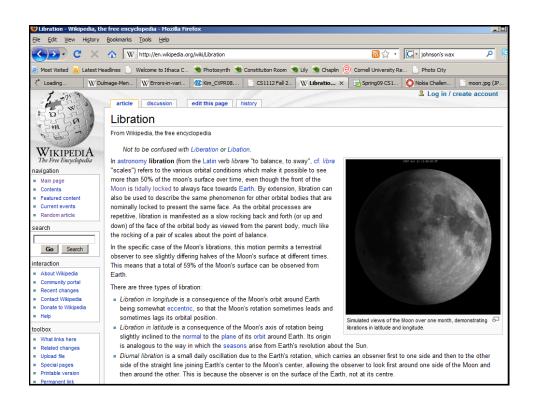


Demo









Questions?

SfM applications

- 3D modeling
- Surveying
- Robot navigation and mapmaking
- Visual effects...
 - (see video)