



Next Photo Please: Towards Visually Consistent Sequential Photo Browsing

Dong Liu, Shuicheng Yan, Hong-Jiang Zhang

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Columbia University

http://www.ee.columbia.edu/dvmm

Sequential Photo Browsing

Lexicographic or chronological order



- Persistence of human vision
 - An afterimage is thought to persist on the retina
- Inconsistent visual experience for the photo viewers

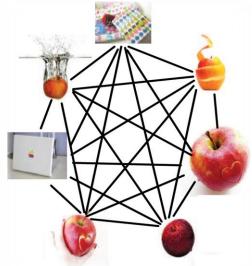
Visually Consistent Photo Browsing

- Travelling Salesman
 Problem
- Given a list of cities and their pairwise distances, the task is to find a shortest possible tour that visits each city exactly once.

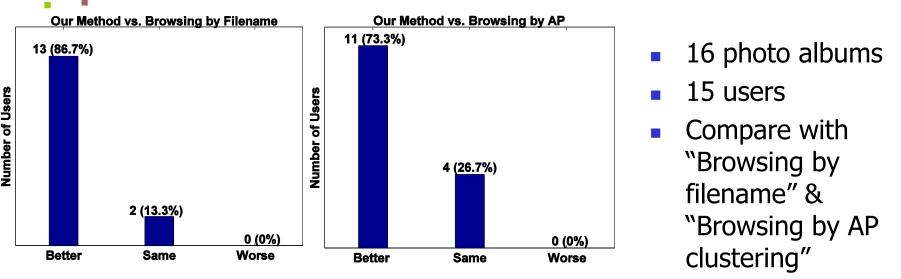
- Browsing sequence seeking
- Given a list of photos and their pairwise dissimilarities, the task is to find a shortest possible browsing sequence that visits each photo exactly once.



- Hamiltonian cycle
 - NP-complete problem
- Dynamic programming







Human Centered Photo Browsing -> Photo-to-Video Transformation

