Fluid (& Infinite?) Mosaics

Steps

1. Specify YouTube video URL.
2. Submit search query based on topic of video (e.g., “funny laugh”).
3. If number of results does not meet some threshold, inform user and possibly cancel.
4. Process video, extract each frame.
5. Create mosaics of all frames using same pool as obtained in step 2.
6. Re-create the video using the mosaics.

Purposes

• It can gauge the “activeness” of certain subjects.
  o Fewer thumbnails mean less quality.
  o Resultant video is clearer when the topic is well-defined.

• Similarities between certain types of videos may be found (e.g., lots of blue in videos about ‘water’ or ‘bsod’).

• Mosaics are always interesting art pieces.

Caveat

• User input is required for deciding the search terms. YouTube’s tagging utility isn’t great.

Possibilities

• Frame-by-frame playback & stepping
• Zoom
• Ability to select any tile in the current mosaic and to play it
  o Zoom
  o Mosaic-in-mosaic?