

Supplementary Material for Paper ID 218

1. `gradual_resizing.mpg`
A short video clip explaining our gradual resizing algorithm (Sec. 3.2).
2. `seamcarving_vs_ours.mpg`
An example of gradual resizing using our algorithm, shown side by side with “Seam Carving” [Avidan&Shamir, 2007].
3. `video_summary.mpg`
Shortening a complex ballet video clip to half of its temporal length using our Visual Summarization algorithm in space-time. The shorter output shows coherent looking behavior (due to the coherence term), even though it was generated by integrating space-time patches from the entire input video (imposed by the completeness term).
4. `video_cropping.mpg`
Automatic temporal cropping of an ice-skating video clip. The automatic cropped output (of predefined length) indeed captures the two different turns and the transition between them.