



General Comments

- Morphing is an example of image-based graphics, in which we manipulate images to produce new ones. This can produce greater realism than rendering.
 - Key idea is to interpolate images. This is done in other settings.
 - Of course, it's widely used.
- Morphing provides a good example of the connection between discrete and continuous. We take two discrete images and create a continuous set of intermediate ones.
- As in much of graphics, it is as much art as science.







Morphing line segments

- Correspondence of end points.
- Linearly interpolate positions.
- This also implies a correspondence between all points on line.
 - Midpoint of one line is being linearly interpolated to midpoint of other.
- Demo



















Announcements

- Completed Problem Set 3 available later today.
- I'll be gone next Monday-Wednesday.
 - Carlos will teach on Tuesday
 - Office hours next week by appointment

Other morphing applications Blanz and Vetter (SIGGRAPH)

- Build 3D morphable model of faces.
 - Dense correspondence between (~100) 3D face models.
 - Morphing between them can create huge range of faces
 - (all pictures from their paper).









