

Computer Animation

Thomas Funkhouser Princeton University C0S 426, Spring 2004

Computer Animation



- · What is animation?
 - Make objects change over time according to scripted actions



- What is simulation?
 - Predict how objects change over time according to physical laws



Outline



- Principles of animation
- · Articulated figures
- Keyframe animation



Angel Plate 1

Principles of Traditional Animation



- · Squash and stretch
- · Slow In and out
- Anticipation
- Exaggeration
- Follow through and overlapping action
- Timing
- Staging
- · Straight ahead action and pose-to-pose action
- · Secondary action

Squash and stretch

Appeal

Principles of Traditional Animation



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- Secondary action
- Appeal

Principles of Traditional Animation

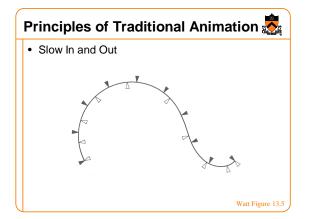




Lasseter `87



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Principles of Traditional Animation 👧 • Anticipation (and squash & stretch) Lasseter '87

Principles of Traditional Animation



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- Arcs
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Example: Roadrunner

