CS5245
Visual Effects Presentation
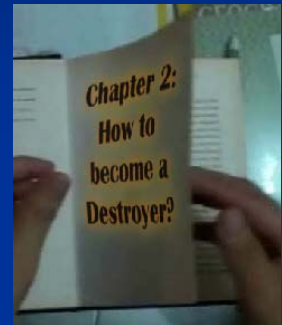
A Magician's Day Out

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Outline

- Introduction
- Special Effects
  - Creating & Deleting Waterfall
  - Sparkling Stars Effect
  - Book Effects
- Conclusion
  - Further Improvement

Introduction

- Main Scene:
  - Received the book "The Magic of Nature".
  - Create a waterfall
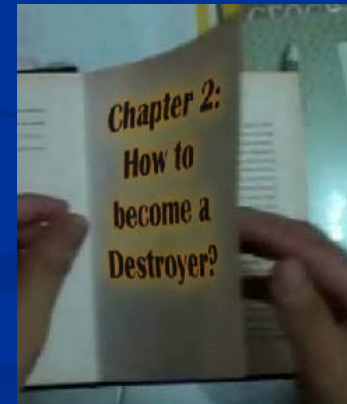 - Delete a waterfall
- Video Shooting:
  - Shot 3 waterfalls:
    - Selected two – one for creation and for deletion

Special Effects

- **Main Effect:**
  - Creating & Deleting Waterfall
  - Matlab + Photoshop

- **Sub Effects:**
  - Sparkling Star Effect
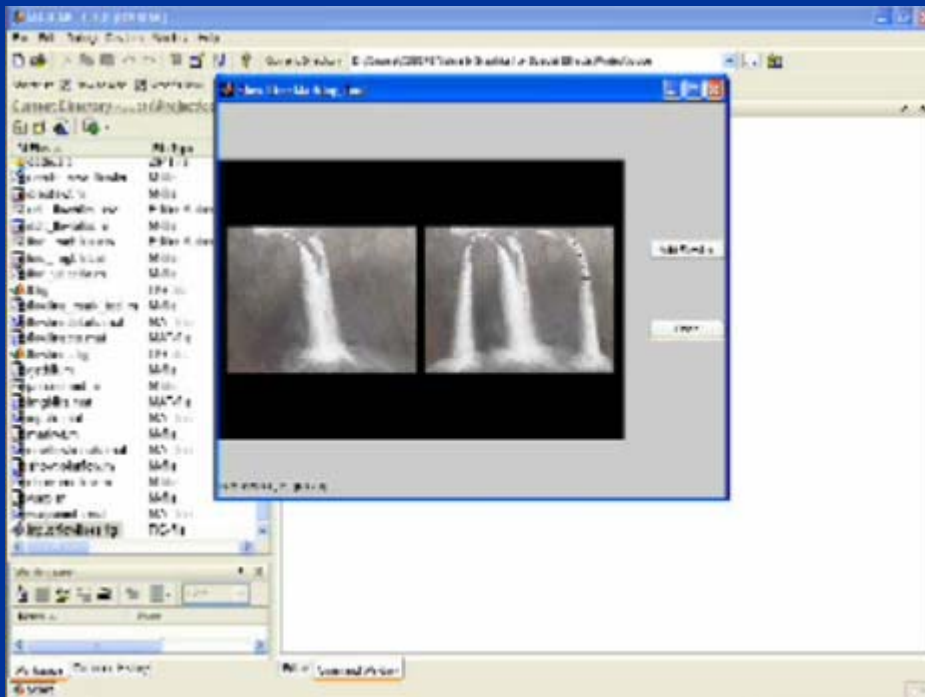 - Book Effect
  - After Effects + Phototshop
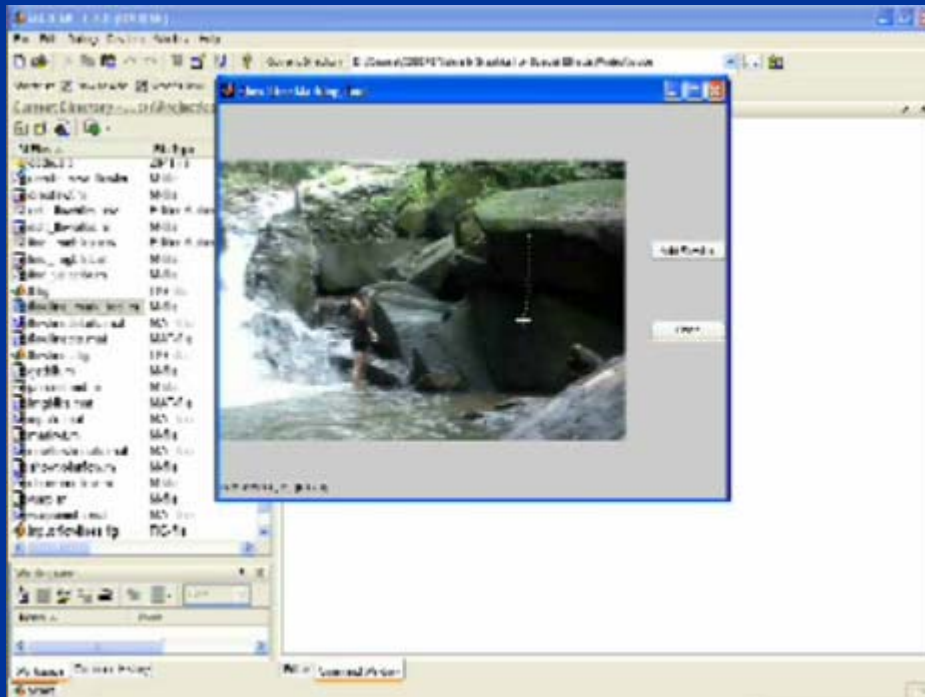
Creating / Deleting Waterfall

Generating Waterfall

■ **Step 1:** Create the input flow lines in the first frame of the original waterfall with the flowline marking tool created in Matlab.

Generating Waterfall

- Step 2: Specify the flow lines for the new waterfall in the first frame of the new waterfall with the flowline marking tool created in Matlab.

Generating Waterfall

■ Step 3:

■ Obtain centroids for image blocks, compute the tangential information and 8 control points for each image block.

■ Warp the original image block to the new image block using polynomial transformation - cptform and imtransform in Matlab.

Generating Waterfall

- Step 4: Perform blending and feathering in Photoshop using automated batch processing tool.

Gradual creation/deletion of Waterfall
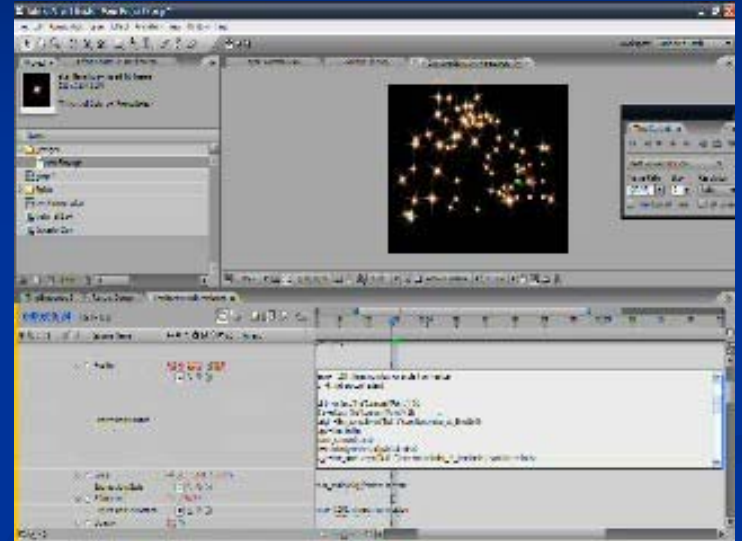
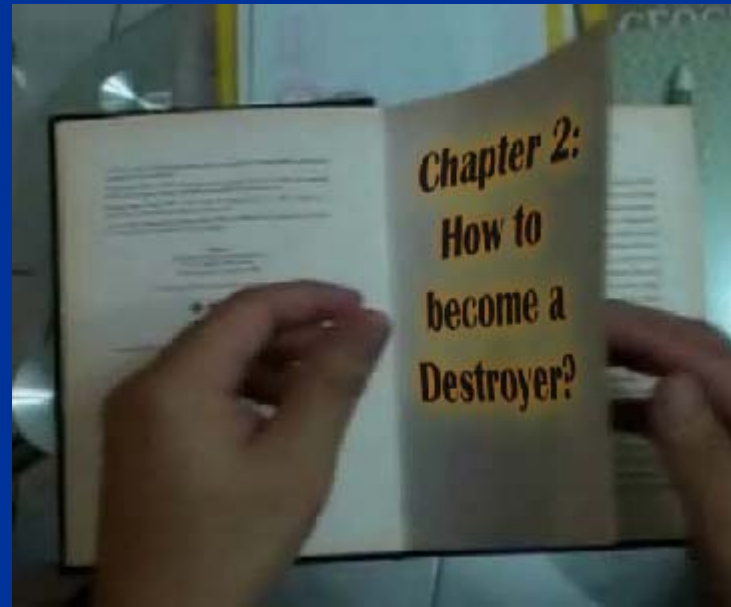- Perform in Photoshop.

Sparkling Stars Effects

Sparkling Stars Effects

- Created by Adobe After Effects using an image of star
- The effect uses particle effect properties
- The moving effects were generated using many layers

- Different lifetime, IN and OUT timing window for each layer
- Composited to the production video in the final stage
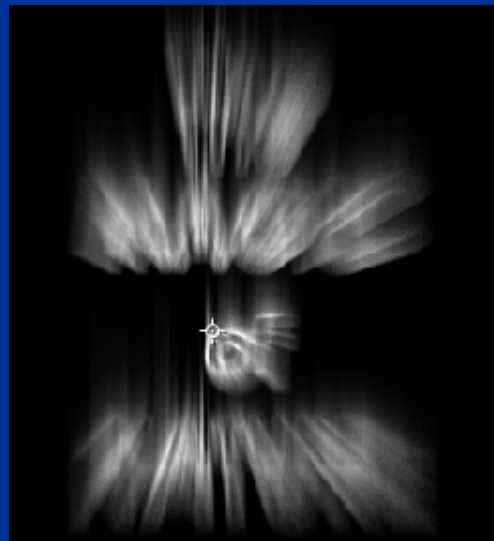
Book Effects

Book Effects

- Text Effects:
  - Glow Effect in After Effects
    - 2 layers of Drop Shadows with different Color, Opacity, & Softness
  - Additional effect layer from Photoshop
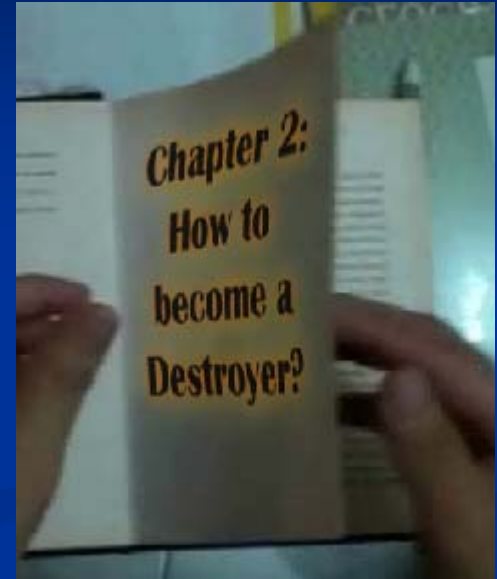   - Wind & Radial Blur Effect

Book Effects

- Warp Effect in After Effects:
  - Warp
    - "Squeeze Style" on Horizontal Axis
    - Animate parameters "Bend" & "Horizontal Distortion"
  - Transform
    - Animate Position, Scale & Opacity

Warp	Reset		
Warp Style	Squeeze ▼		
Warp Axis	Horizontal ▼		
Bend	15		◇ ◇◇◇ ◇
Horizontal Dist…	58		◇ ◇ ◇
Vertical Distortion	0		
Transform	Reset		
Anchor Point	0.0 , 0.0		
Position	480.3 , 177.9	◇ ◇	◇◇◇
Scale	100.0 , 100.0 %		◇◇◇
Rotation	0 x -3.0 °		
Opacity	100 %		◇ ◇

Q & A

THE END