

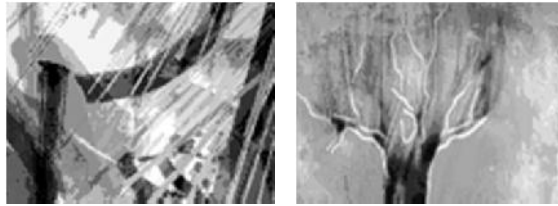
<http://smtom.lecture.ub.ac.id/>

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<https://syukur16tom.wordpress.com/>

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# LECTURE 10: INTRODUCTION TO ANIMATION



S.M. Sitompul (2017 version)

## INTRODUCTION

### 1. Definition

- An **animation** is the illusion of movement created by showing a series of still pictures in rapid succession.
- In the world of computers, graphic software used to create this effect. Simple animation may be as basic as an animated gif file like the image shown on this page.
- A more complex animation could be of a human or alien face in a computer software game or animation of a space battle in a movie.
- The manipulation of electronic images by means of a computer in order to create moving images.

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- Animation precedes the invention of photography and the cine camera by several decades.
- It is an art form in which a world of dynamic image and sound may be synthesised completely out of nothing but a thought.
- Animation is 100% artifice, and as such, the synthesis of movement through the sequential use of small fragments of time, which gives rise to this wondrous illusion, is open to manipulation in extraordinary ways.
  - Animation has the capacity to entertain, exaggerate, simplify, abstract, reveal complex processes, clarify difficult-to-understand concepts, visualise data, be a vehicle for humorous writing, sell product, be an art form, create slapstick sight gags, be a vehicle for insightful social comment, portray the human condition, and tackle difficult and uncomfortable subject matter.

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Animation of shape and weight in falling Objects by a simple method 4

# SOFTWARES

## 1. Top 5 2D Animation Software for Windows

1. Pencil (free open-source software) -  
<http://www.pencil2d.org/>
2. Creatoon -
3. Plastic Animation Paper -
4. Synfig Studio -
5. Stykz (completely free of cost software) -  
<http://www.stykz.net/>

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Green Combo by GuitarMangler with Stykz software

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## 1. Top 5 3D Animation Software for Windows


1. **Blender (Free)** - <http://www.blender.org/>
2. **3D Studio Max** - <http://www.autodesk.com/>
3. **3DPlus (Free)** - <http://www.freeserifsoftware.com/>
4. **Animation:Master** - <http://www.hash.com/>
5. **LightWave 3D** - <http://www.newtek.com/>
6. **Elastic Reality and Avid 3D** - <http://www.avid.com>

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## MAKING THE SNOW

1. Open new powerpoint with dark background
2. Click "Insert", "Shapes", "Oval", and draw a "sphere" 
3. Click the "Sphere", "Format", "Shape Fill", "Choose Gradient", "More Gradients", and "Gradient fill"
4. On Type, choose "Path"
5. On "Gradient stops" on the left, make 0% (Color White), 0% (Brightness), and 0% (Transparency)
6. On "Gradient stops" on the right, make 100% (Color Black), 0% (Brightness), and 100% (Transparency), then close.
7. Click the Shape, Click Format, choose Shape Outline, and choose "NO Outline".

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## Shrinking to the right size, and Duplicating snow

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# Animating Snow Effect

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# Growth and Turn

13

# Growth and Turn

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# SHRINKING TO THE RIGHT SIZE, DUPLICATION

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# ANIMATING SNOW EFFECT

**NEXT**

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# ANIMATING SNOW EFFECT

NEXT

# ANIMATING SNOW EFFECT

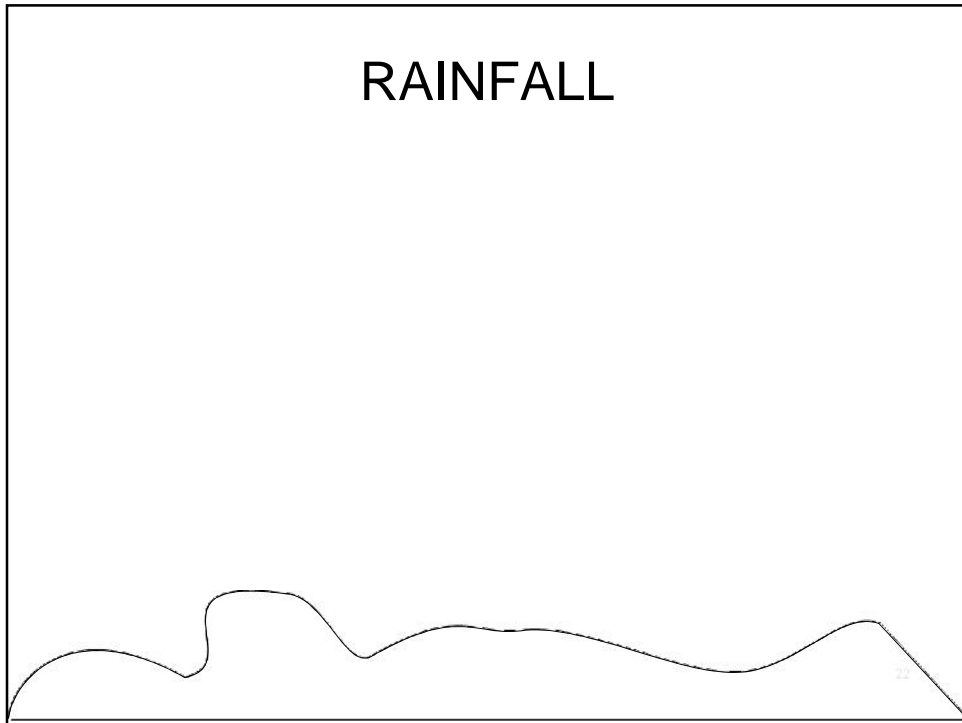
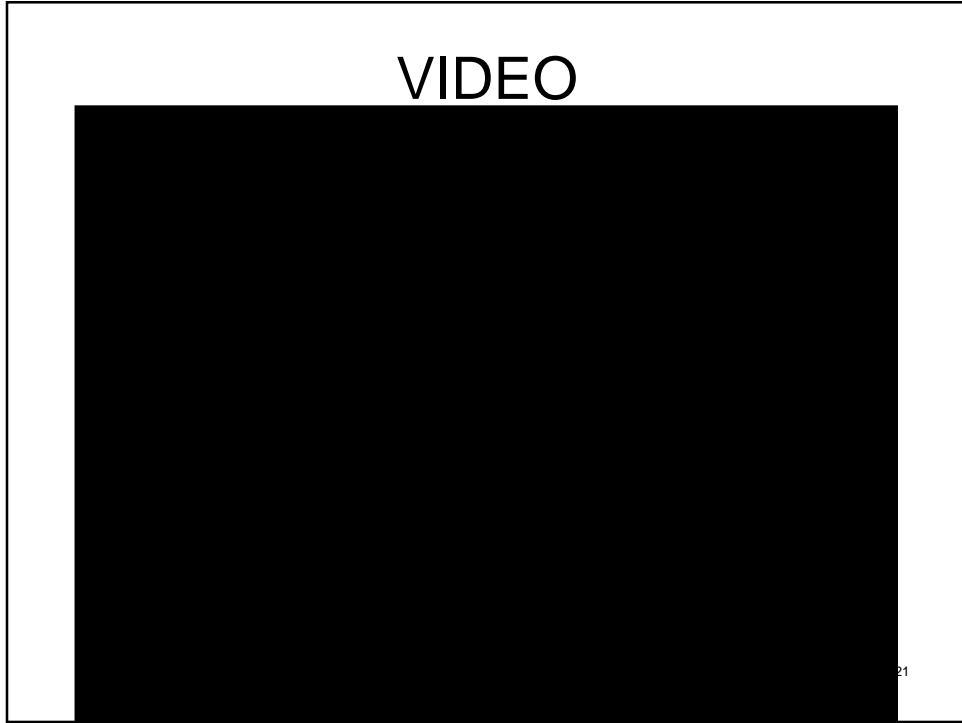


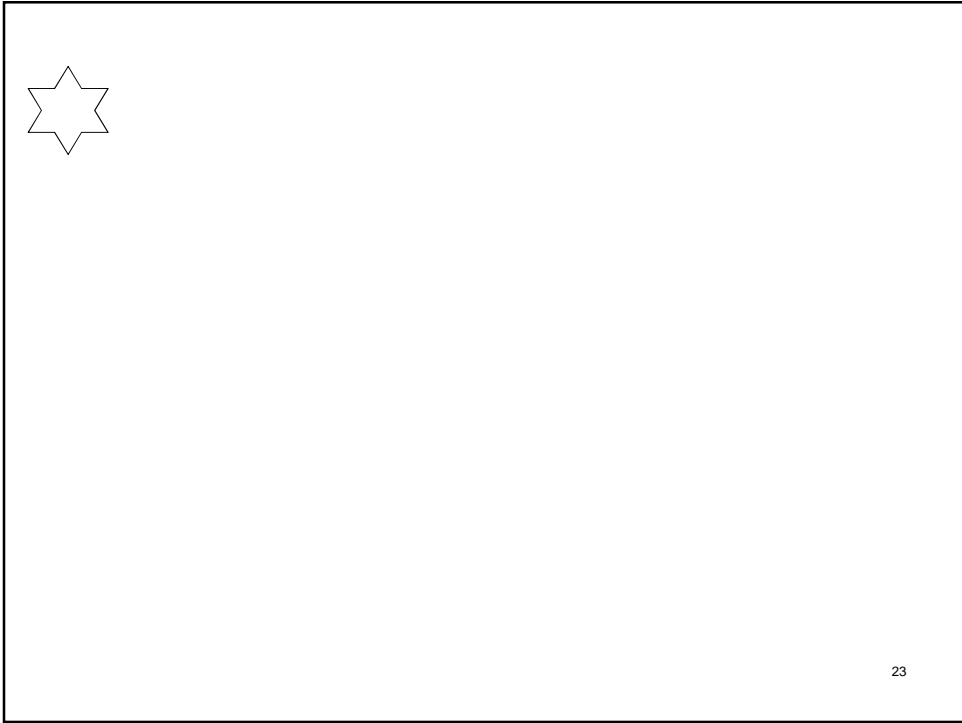
NEXT




## Translucent and Fade

- Point 1
- Point 2
- Point 3
- Point 4
- Point 5



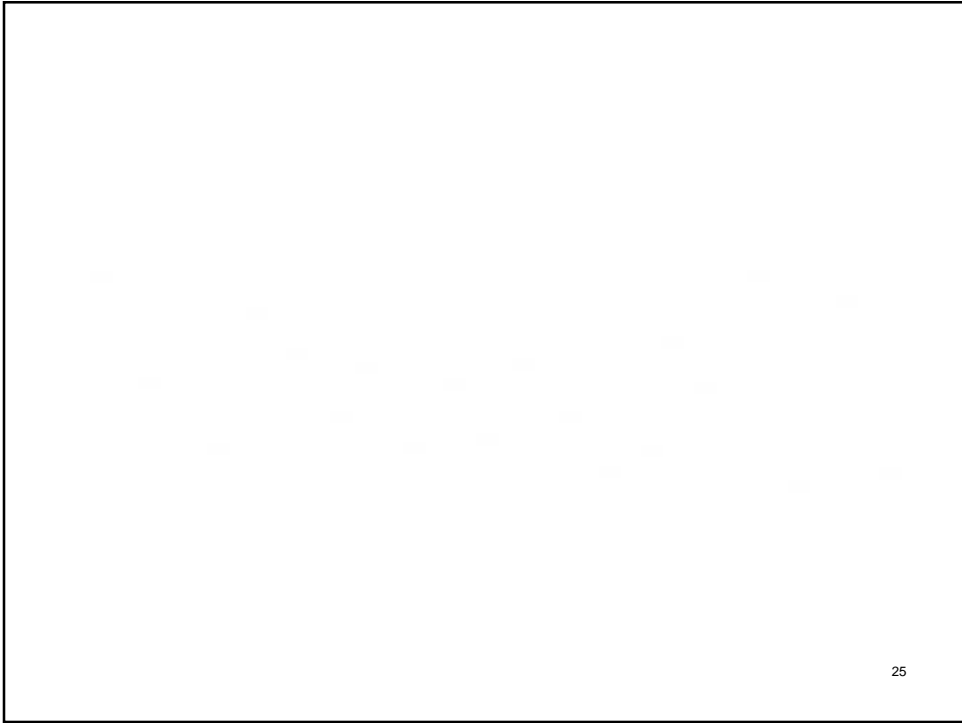


 **Leaf Motion Effect**

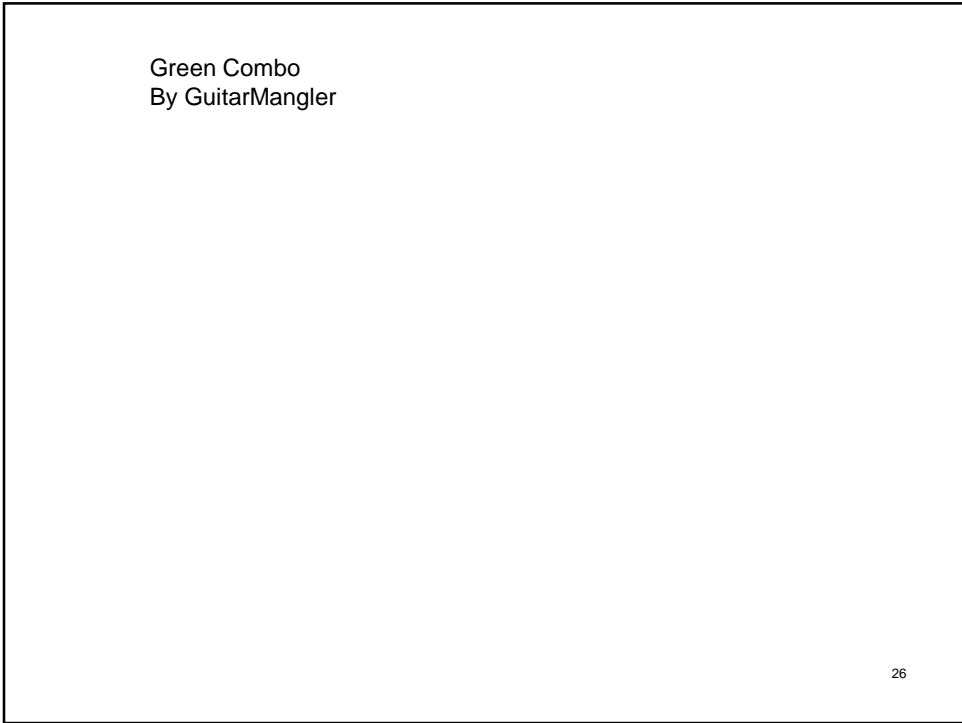
**Click again to replay,  
Press 'Esc' to exit.**

The above image used is a copyright of Washington Department of Fish and Wildlife.  
Gallery: [WDFW Image Gallery](#)  
Album: [WDFW Wildlife Areas, and Habitat](#)  
Album: [Habitat Illustrations](#)

More animations at :  
<http://pptheaven.mvps.org>

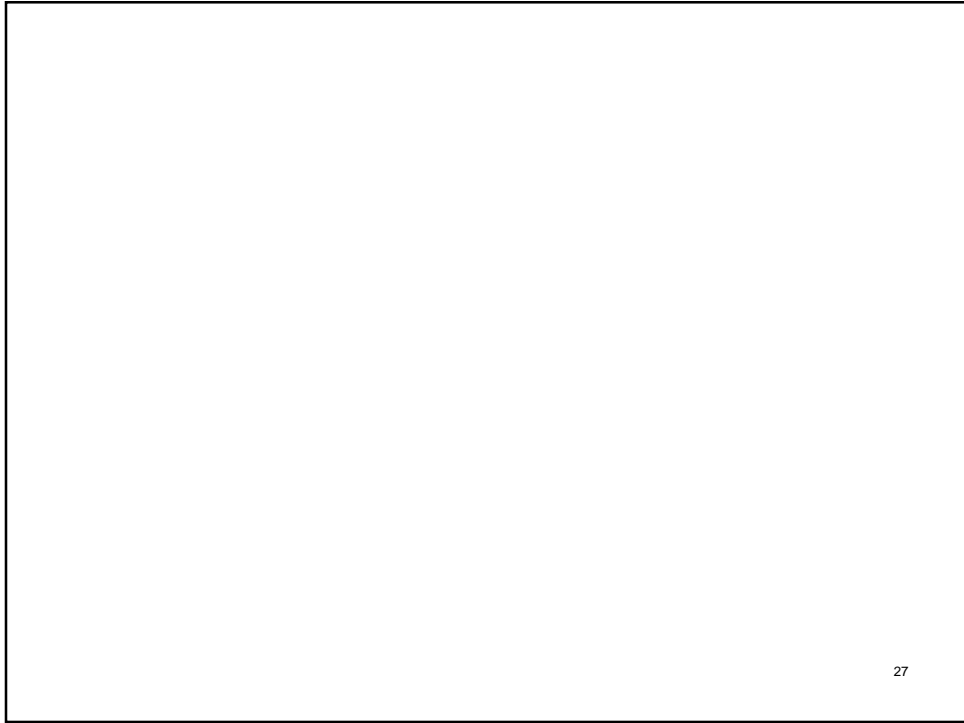


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Green Combo  
By GuitarMangler

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