

SEMESTER - IV

ROHINI D, MADHAVI A

Video Games

Design

WELCOME TO THE WORLD OF GRAPHICS

Animation software

Digital Art

Interface

Simulation

Scientific Visualization

Computer Aideddesign

Graphics Design

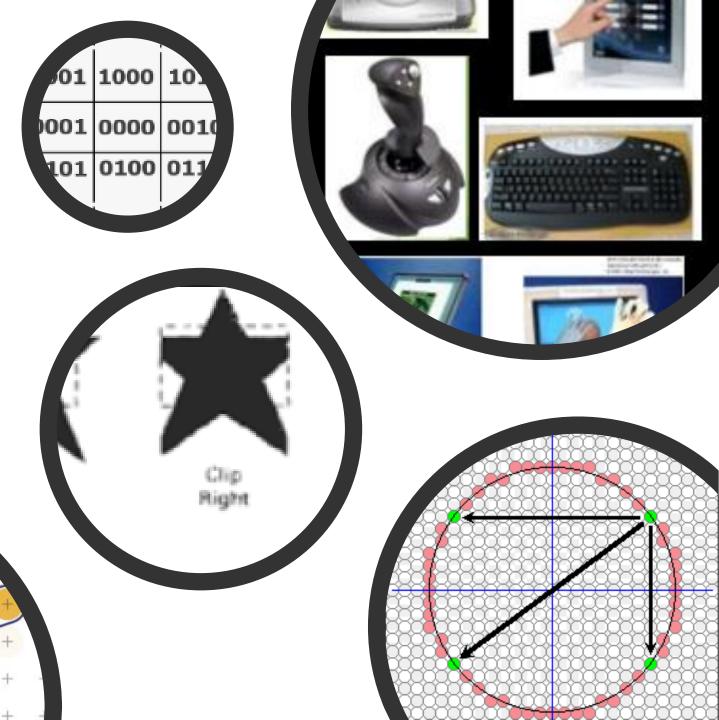


Information Visualization

Computational biology

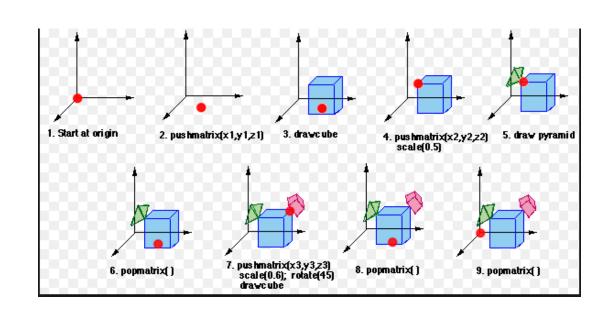
Unit 1 Intro to Computer Graphics

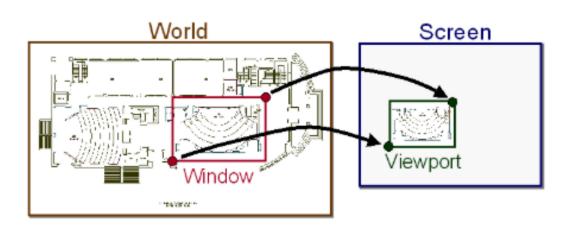
- Input / Output Devices
- Line drawing Algorithm
- Circle Drawing Algorithm
- Line Clipping Algorithm
- Polygon Clipping Algorithm

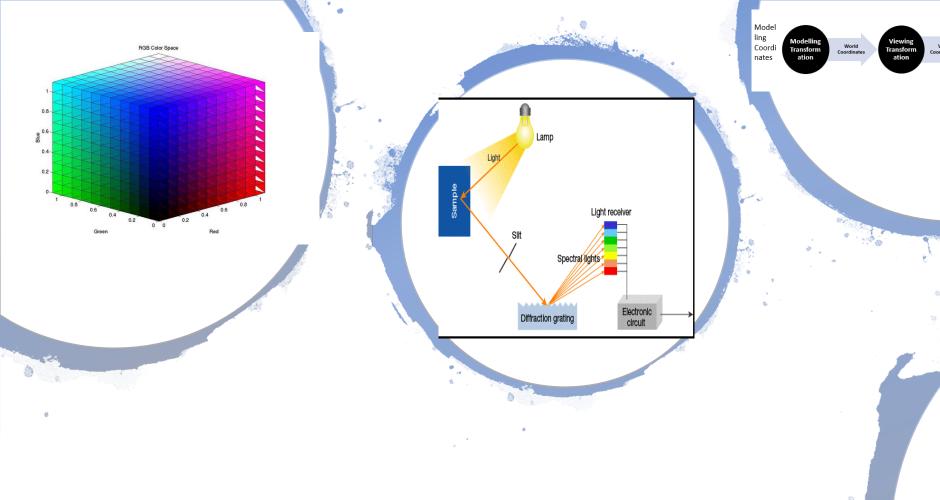


Unit 2 2D/3D Transformation

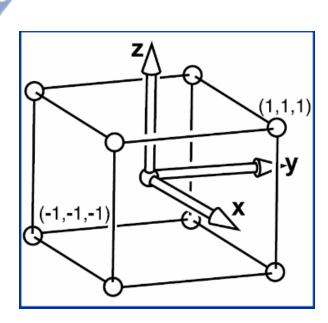
- 2D Transformation
- 3D Transformation
- Projections

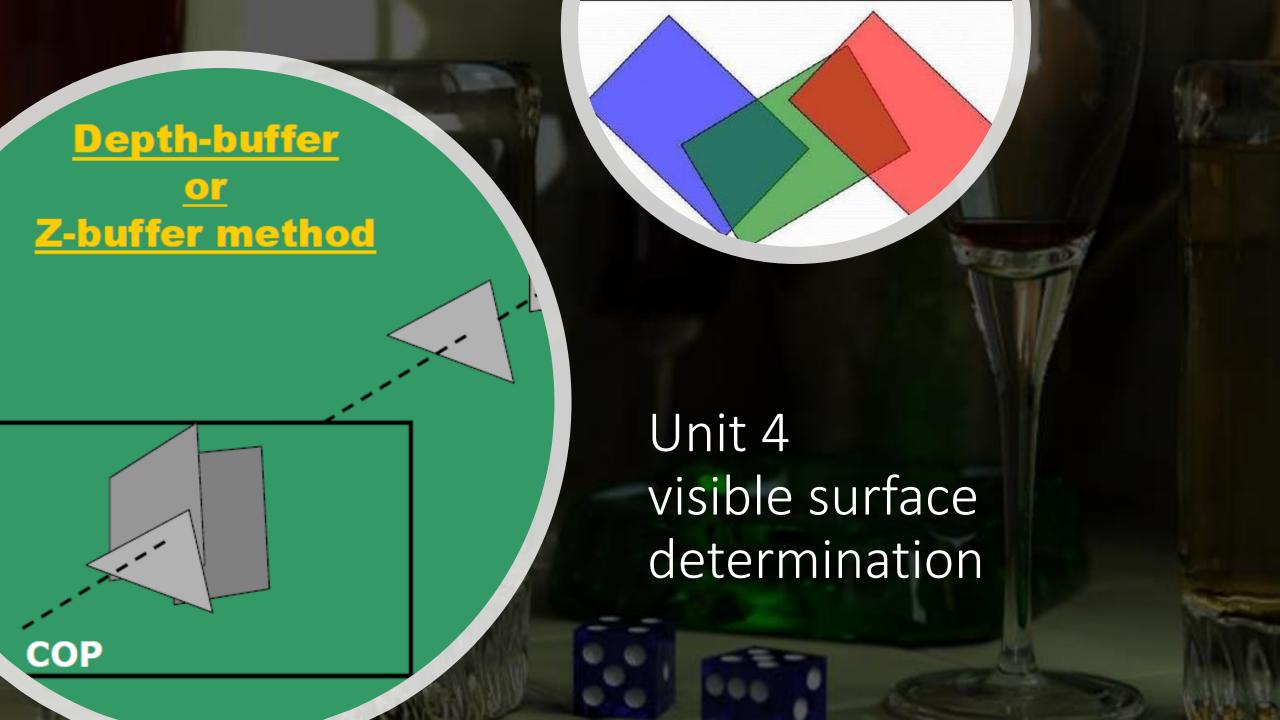




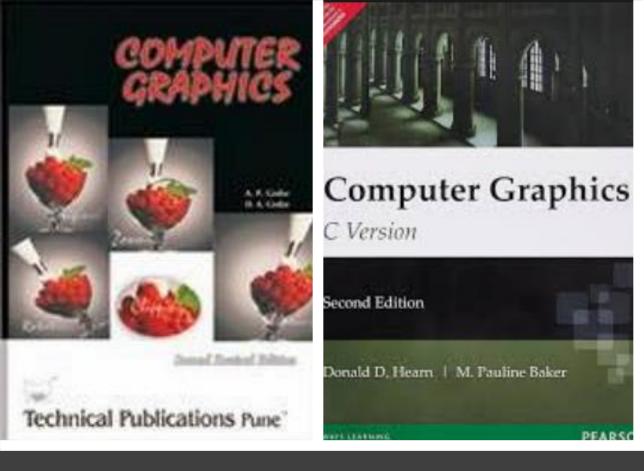


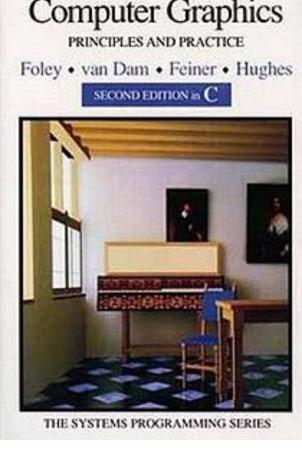
Unit 3 Viewing in 3D, Light, Color

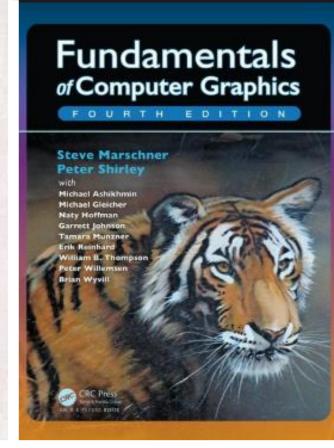




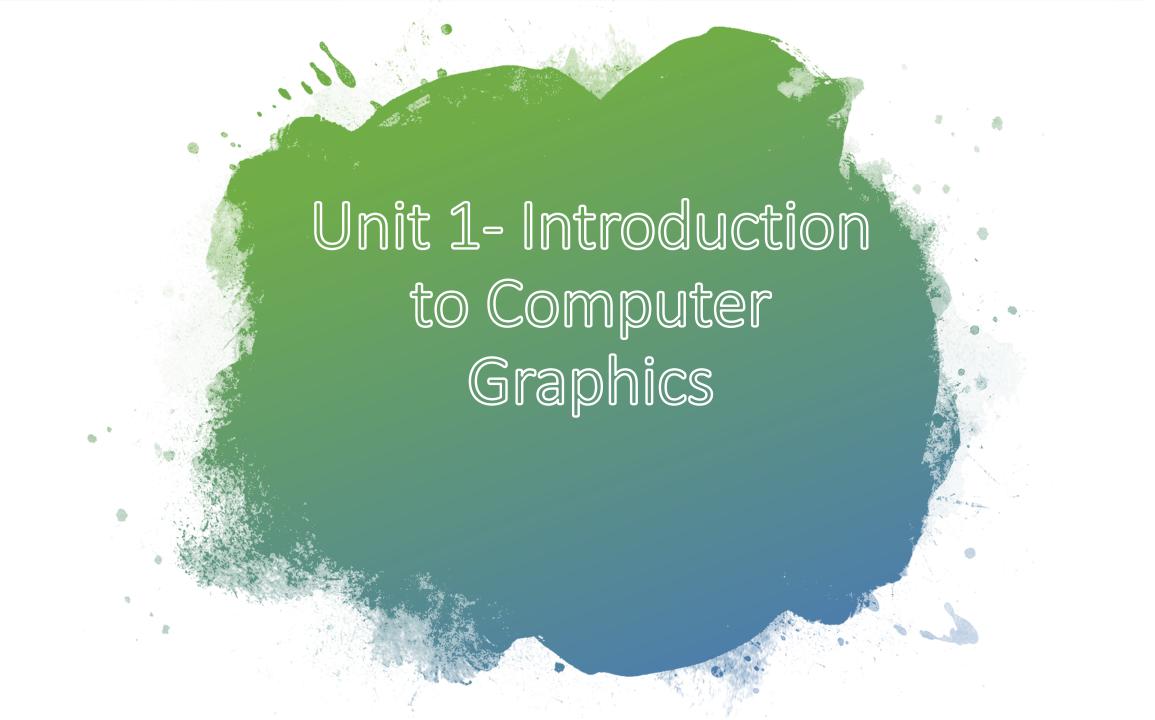


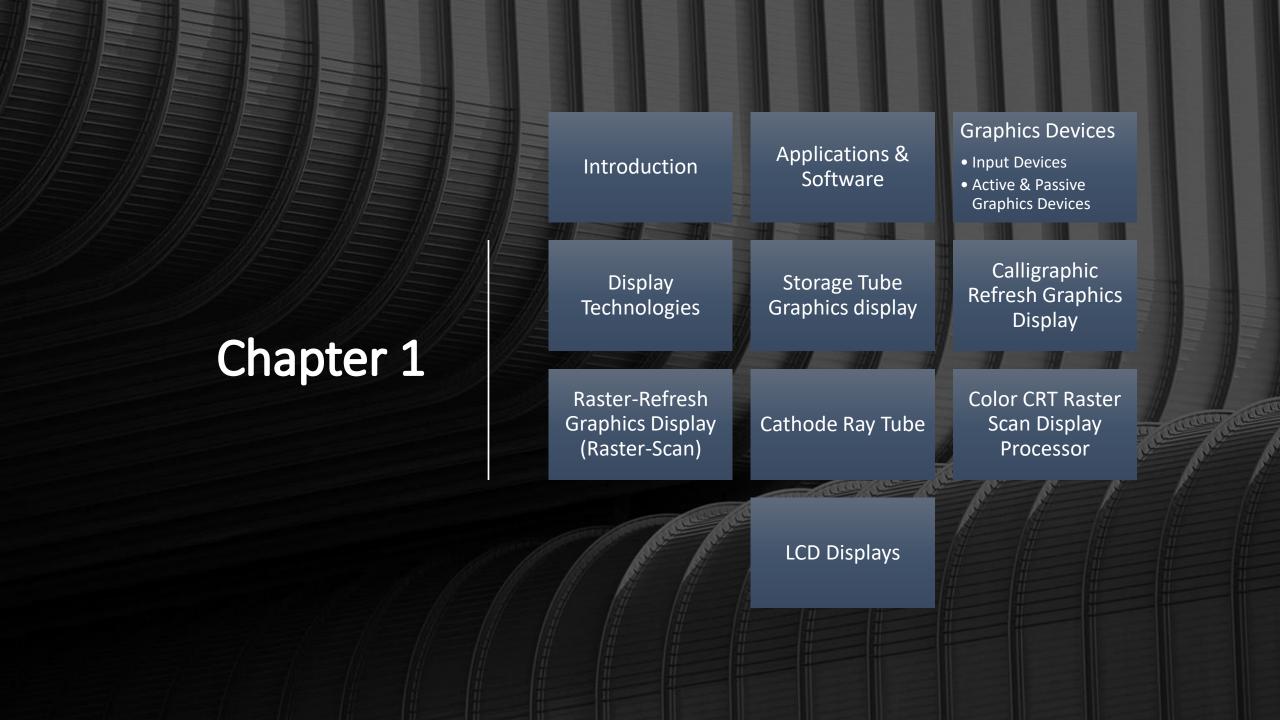






Reference Books





Computer Graphics

Field of science concerned with digitally synthesizing and manipulating the visual content.

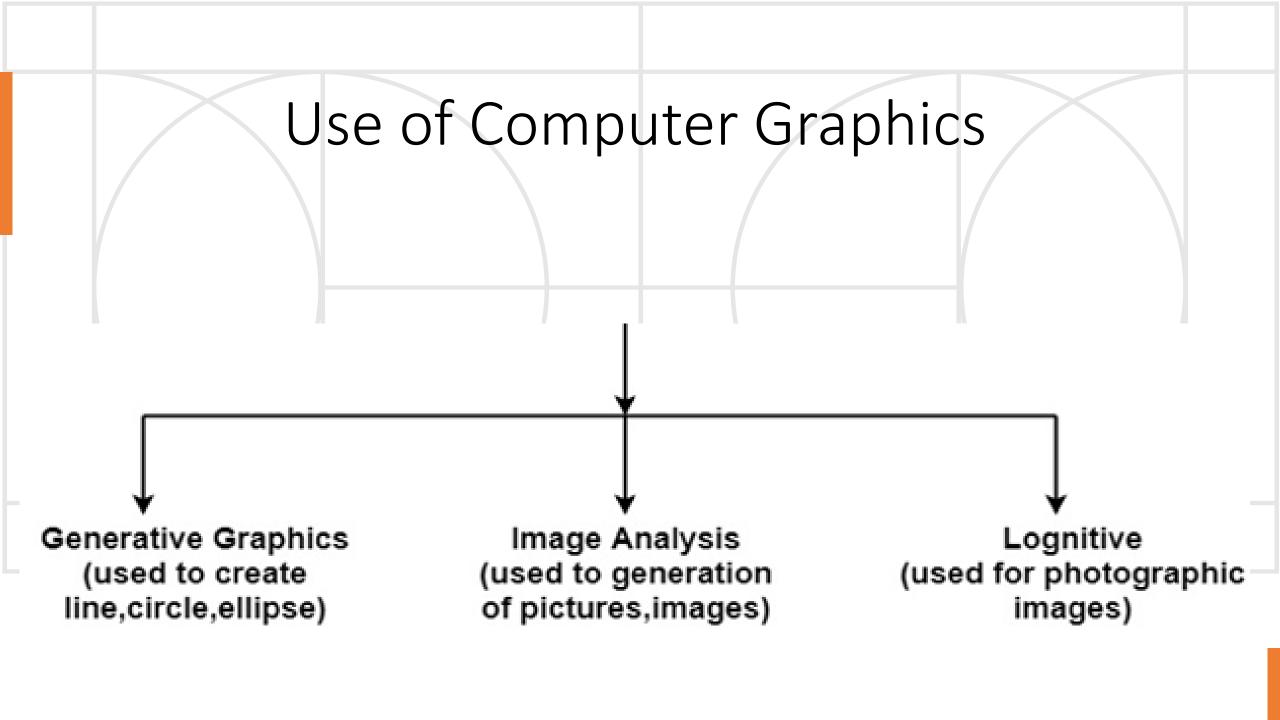
creating, Storing Displaying manipulating images

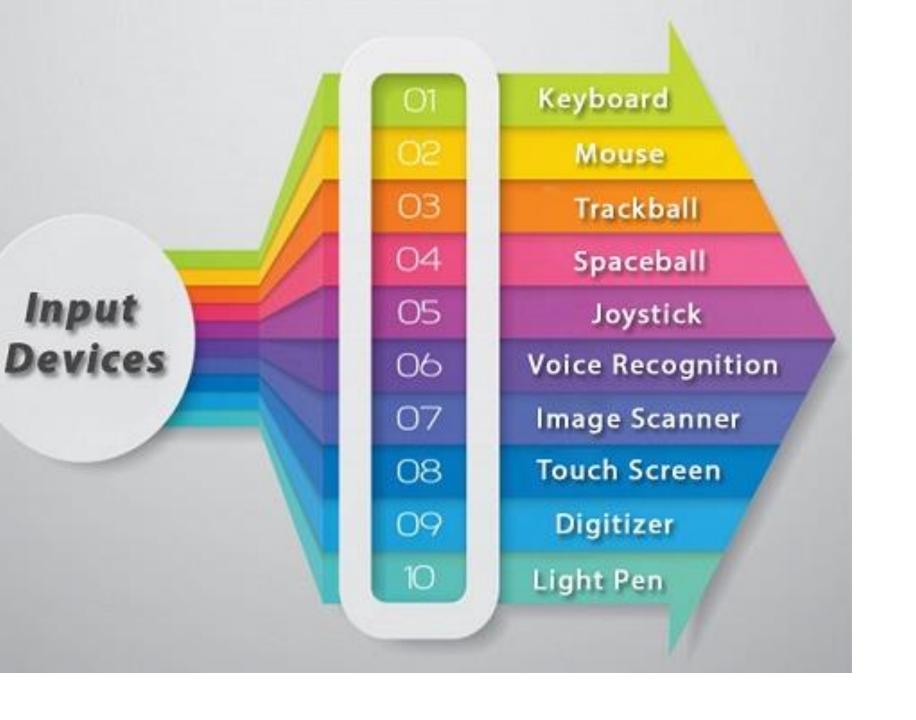
Focus on mathematical & computational foundations of image generations.

Manipulation of visual & geometric information using computational techniques.

Application of Computer Graphics

Education and Training Visual and Special effects Digital art Video games Computer aided design **Medical imaging Printing Technology Entertainment Presentation Graphics** Financial Reports Statistical Reports Mathematical Reports Scientific Reports





Input devices

- Hardware that is used to transfer transfers input to the computer.
- data can be in the form of text, graphics, sound, and text.
- Output device display data from the memory of the computer.
- Output can be text, numeric data, line, polygon, and other objects.



Quiz

https://forms.office.com/Pages/ResponsePage.aspx?id=LKs7Hkn bE2CelA X5v2FnHNThoF6SyhPvzy47VbBgpUNE5XVUZFMUxCWDBIUEZGWks0 REZBUTBLSC4u

