

# NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Computer Science and Engineering - Computer Graphics

Subject Co-ordinator - Prof. Sukhendu Das

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Introduction
- Lecture 2 - CRT Display Devices
- Lecture 3 - CRT Display Devices (Continued...)
- Lecture 4 - CRT Display Devices (Continued...)
- Lecture 5 - CRT Display Devices (Continued...)
- Lecture 6 - Transformations in 2D
- Lecture 7 - Transformations in 2D (Continued...)
- Lecture 8 - Three Dimensional Graphics
- Lecture 9 - Three Dimensional Graphics (Continued...)
- Lecture 10 - Three Dimensional Graphics (Continued...)
- Lecture 11 - Projection Transformations And Viewing Pipeline
- Lecture 12 - 3D Viewing - Projection Transformations And Viewing Pipeline
- Lecture 13 - Scan Converting Lines, Circles And Ellipses
- Lecture 14 - Scan Converting Lines, Circles And Ellipses (Continued...)
- Lecture 15 - Scan Converting Lines, Circles And Ellipses (Continued...)
- Lecture 16 - Scan Converting Lines, Circles And Ellipses (Continued...)
- Lecture 17 - Scan Converting Lines, Circles And Ellipses (Continued...)
- Lecture 18 - Polyfill- Scan Conversion Of A Polygon
- Lecture 19 - Scan Conversion Of A Polygon (Continued...)
- Lecture 20 - Clipping - Lines And Polygons
- Lecture 21 - Clipping Lines And Polygons
- Lecture 22 - Clipping Lines
- Lecture 23 - Solid Modelling
- Lecture 24 - Solid Modelling
- Lecture 25 - Solid Modelling (Continued...)
- Lecture 26 - Visible Surface Detection
- Lecture 27 - Visible Surface Detection (Continued...)
- Lecture 28 - Visible Surface Detection (Continued...)
- Lecture 29 - Visible Surface Detection (Continued...)

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- Lecture 30 - Visible Surface Detection (Continued...)
- Lecture 31 - Visible Surface Detection (Continued...)
- Lecture 32 - Visible Surface Detection (Continued...)
- Lecture 33 - Illumination And Shading
- Lecture 34 - Illumination And Shading (Continued...)
- Lecture 35 - Illumination And Shading (Continued...)
- Lecture 36 - Curve Representation
- Lecture 37 - Curve Representation (Continued...)
- Lecture 38 - Curves And Surface Representation
- Lecture 39 - Graphics Programming Using Open GL
- Lecture 40 - Graphics Programming Using Open GL (Continued...)
- Lecture 41 - Advanced Topics
- Lecture 42 - Digital Image Processing Image Compression-Jpeg-Enhancements
- Lecture 43 - Digital Image Processing (Continued...)