



Paper Code : SWL 505

Paper Name: Software Lab VII

Computer Graphics

1. Write a C program for addition of two matrices.
2. Write a C program for multiplication of a matrix by a scalar.
3. Write a C program for multiplication of two matrices.
4. Write a C program for scalar or dot product of two vectors.
5. Write a C program for cross product of two vectors.
6. Write a C program to implement the DDA Line drawing algorithm.
7. Write a C program for Bresenham's Line drawing algorithm.
8. Write a C program to implement Midpoint Circle drawing algorithm.
9. Write a C program to implement DDA Circle drawing algorithm.
10. Write a C program to implement Scan Line Polygon Filling algorithm
11. Write a C program to implement Flood-Fill algorithm.
12. Write a C program to implement Cohen-Sutherland Line Clipping algorithm.
13. Write a C program to implement Liang-Barsky Line Clipping algorithm.
14. Write a C program to implement Sutherland-Hodgman Polygon Clipping algorithm.
15. Write a C program to implement Weiler-Atherton Polygon Clipping algorithm.