

ABSTRACT

Computer graphics is the creation, manipulation and storage of models and images of picture objects by the aid of computers. It is one of the hottest buzzword in the information technology today with graphics assuming importance in every field. Some of the areas in which graphics has made in desktop publishing, animation, image processing, movies and etc..

Dancing Dolls is a project demonstrating many of the features and capabilities of OpenGL. It uses cones, cylinders and spheres to draw the dolls. This project uses keyboard and mouse events by having callbacks to keyboard and mouse handling functions. Also the project demonstrates handling of lighting and materials and setting their properties. It is a 3D project which needed us to repeatedly draw, view and redraw while changing the parameters of the model and display to get appropriate final looks. Each character have control using function keys.