CPT205-2223-S1-Computer Graphics

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information and computer science

In the assessment, I draw a tree with some a star and some colorful lights, a sun, a moon, a bonfire, a snowman, two balloons, two fireworks, some clouds and a line of words. I design a picture with both day and night, and it can be switched by the mouse. The sun, fire, snowman, clouds and lights all have animation effects. The sun is rotating, the bonfire is burning, the hands of the snowman are shaking, the clouds are fluttering and the colored lights keep flashing with different colors.

I also draw a picture for another way of viewing which can be switched by the keyboard and in this viewing way, the same operations also can work.

I switch the day, night and the different viewing way by changing the value of RGB and the transparency, which means I only show the pictures that I want to be seen and hide other pictures.

My functions:

图形用户界面, 文本, 应用程序

描述已自动生成

图形用户界面, 文本, 应用程序

描述已自动生成

图形用户界面, 文本, 应用程序

描述已自动生成

图示

描述已自动生成

The main viewing way:

图片包含 背景图案

描述已自动生成

图片包含 形状

描述已自动生成

Another viewing way:

卡通人物

中度可信度描述已自动生成

图片包含 图标

描述已自动生成

Operations:

Click the left mouse button, it will switch between day and night.

Press q or Q, the program will quit.

Press l or L, the sun will change the direction of rotation

Press s or S, the sun will stop turning.

Press r or R, the sun will resume rotation.

Press p or P, the clouds will stop.

Press o or O, the clouds will resume move.

Press m or M, the lights will stop flashing.

Press n or N, the lights will resume flashing.

Press a or A, the fire will accelerate shaking.

Press b or B, the fire will slow down shaking.

Press c or C, the hands of the snowman will stop swinging.

Press d or D, the hands of the snowman will resume swinging.

Press e or E, the page will switch to the right view.

Press f or F, the page will switch to the main view.

Press up arrow key, the balloons will move up.

Press down arrow key, the balloons will move down.

Press left arrow key, the balloons will move left.

Press right arrow key, the balloons will move right.