

# NC06 DEMO INTERFACE USER GUIDE

## -- 3D Query and 3D Design For 3D GIS

The image shows a screenshot of the NewCyber3D software interface. The window title is "3D Query & Interactive Design for 3D GIS - NewCyber3D www.newcyber-3d...". The menu bar includes "Scene", "Flyfreely", "Path", "PathFly", "3D Application", "Simplification", "Help", and "View". The toolbar contains various icons for navigation, design, and editing. The main 3D scene displays a green landscape with a yellow path, a brown cube, and a yellow plane. The status bar at the bottom left shows "Ready".

1 Data Input: DEM data, texture data, object data

2 Projection Options: Ortho, Perspective, Simulation

3 Rendering Mode: Wired-frame, Shading, Color-ramp, Texture Mapping

4 Birdview: Use "M" key to start or stop birdview.

5 3D Control: Use "R" to reset the scene parameters. Use arrow keys and "A", "Z", "S", "X" to move the terrain, "F", "V" to change height scale.

6 3D Picking: Use left mouse button to pick 3D coordinate in 3D scene.

7 3D Query: Use left mouse button to select the object, and then object info dialog is popped out.

8 Navigation Window: Turn on/off the small navigation window.

9 3D Design: design path in 3D scene.

10 3D Edit: Edit the path in 3D scene.

11 3D Design Display: Turn on/off control points and interpolated curve points.

12 Path Data Loading/Saving

13 Real-time flythrough: Start to fly or stop flying along the route (path).