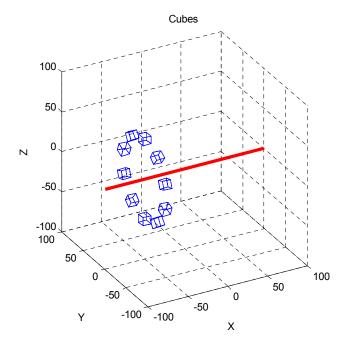
COM218 LAB8

- **P1.** Write a function that will return a cube object with the first row as its center point. The function will take the coordinates of the center point and the edge length as parameters. Create and display 3 cubes in different positions.
- **P2.** Using the function above create a cube at the origin and animate its translation along the line x=y=z.
- **P3.** Repeat P2 with scaling such that the cube triples in size in the first half and shrinks back to its original size in the second half of the animation.
- **P4.** Create a cube with center at x=0, y=0, $z=(z_max/2)$. Animate rotation around the x axis. Extend the graphical space such that the origin is at the center by replacing the line with the axis command in plot objects 3d to

The figure below shows a ghosted image of the animation. The red line is the x axis.



P5. Repeat P4 with two cubes C1 and C2. C1 should rotate around the x=z line (y=0) as shown on the left below. C2 should be positioned at the origin and rotate around the z axis as shown on the right. The two cubes should be moving in the same animation.

