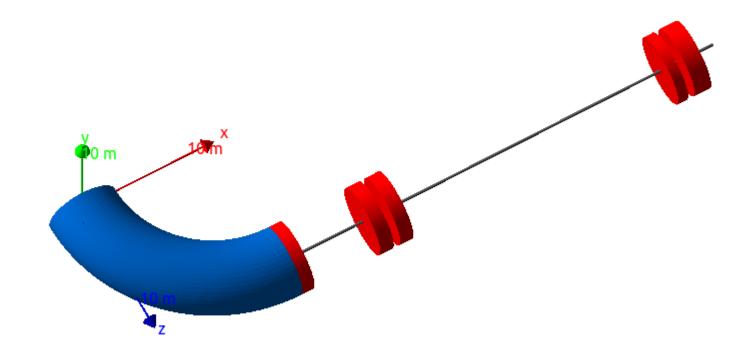
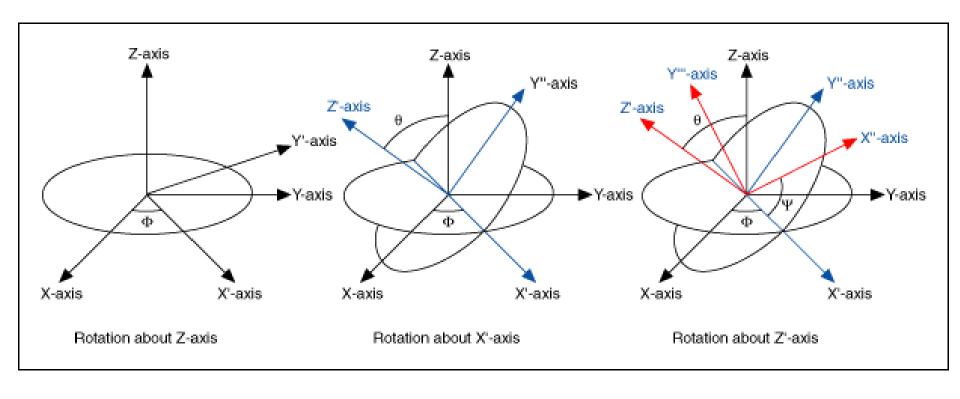
## **Before Transformation**



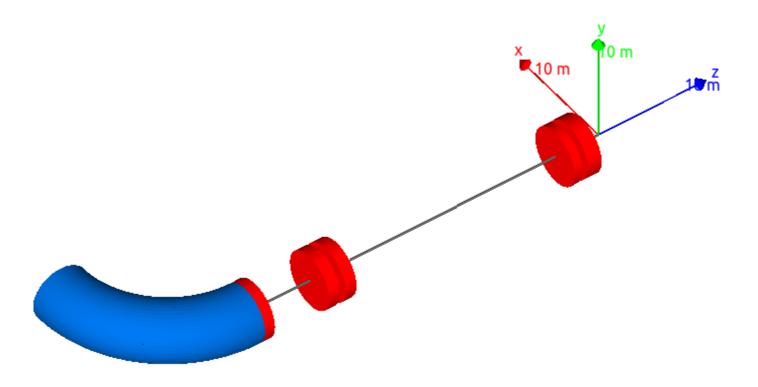
- Rotation + Translation (先旋转,后平移)
- 旋转的是坐标轴, 平移的是新坐标轴下的物体

## Rotation



- 旋转时,动的是坐标系,而不是物体
- 欧拉角的旋转操作如上图所示,与飞机的转弯操作相同

## **After Transformation**



• 旋转后的平移是在新的坐标轴里移动物体, 不再动坐标轴