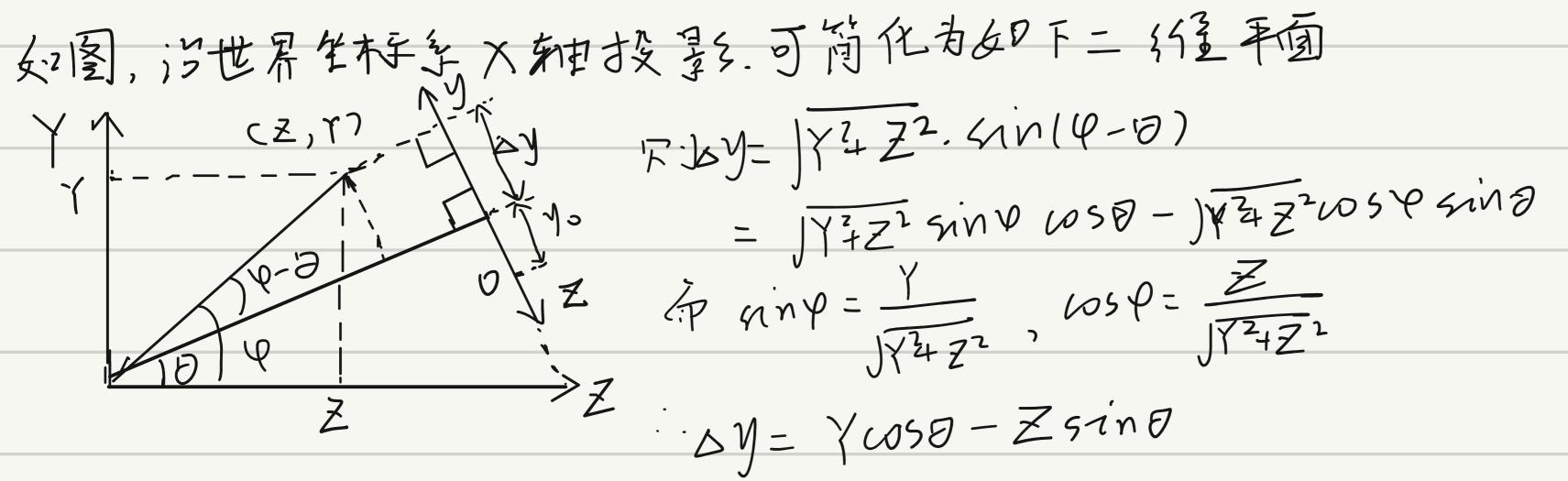
## 理论部分

## 3. 推导Fig. 1.5中从三维世界坐标系到图像平面的投影方程, 要求详细步骤,而不是仅给出结果。



考虑到困于人、则少于为少升的=及(Y105日-区与17日)+少。 而对于X=dX+物,因为文川义,故显然X=dX+物

## 4. 仿照关于Y的约束推导,写出关于Z的约束方程。

In a 3D horizontal edge, 
$$\frac{\partial Z}{\partial y} = -\frac{1}{\sin \theta}$$

In a 3D vertical edge,  $\frac{\partial Z}{\partial t} = n_x \frac{\partial Z}{\partial y} - n_y \frac{\partial Z}{\partial x} = 0$ 

Constraint propagation:

Constraint propagation:

For flat image region,  $r \frac{\partial^2 Z}{\partial x^2} = 0$   $\frac{\partial^2 Z}{\partial y^2} = 0$