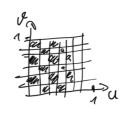
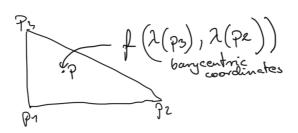
Procedural texture:

 $f: \mathbb{R}^2 \to \mathbb{R}^3$ $[0, 0]^2 \to color$

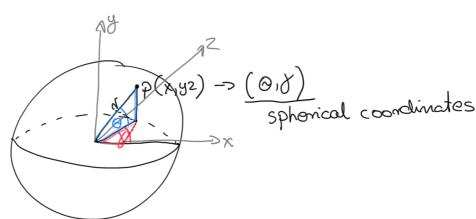


Texturing triangle:





Texturing sphere:



We need to transform the position p=(x,y,z)to spherical coordinates (O,1).

$$\frac{y}{x} = \sin \theta \Rightarrow \theta = \operatorname{cavcsim}(\frac{y}{x}) \in \left[-\frac{11}{2}, \frac{11}{2}\right]$$

$$\frac{x}{x} = \operatorname{tg} x \Rightarrow y = \operatorname{cavctan}(\frac{x}{x})$$

$$y = \operatorname{atan}(2x) + \operatorname{tg}(2x) + \operatorname{tg$$

To apply texture
$$f(u, v)$$
 to the sphere,
we have to compute $u, v \in [0, 1]$
Let then:
 $u = \frac{S+11}{211}$ and $v = \frac{\Theta+\frac{11}{2}}{11}$