

Representación de ondas P y S:

Datos: α , ι , ε , U^P , U^S

$$U^P_{x1} = |U^P| \cdot \text{sen}(\iota) \cdot \cos(\alpha)$$

$$U^P_{x2} = |U^P| \cdot \text{sen}(\iota) \cdot \text{sen}(\alpha)$$

$$U^P_{x3} = |U^P| \cdot \cos(\iota)$$

$$|SV| = |U^S| \cdot \cos(\varepsilon)$$

$$|SH| = |U^S| \cdot \text{sen}(\varepsilon)$$

$$\text{tg}(\varepsilon) = \frac{SH}{SV}$$

$$SV_{x1} = |SV| \cdot \cos(\iota) \cdot \cos(\alpha + \pi)$$

$$SV_{x2} = |SV| \cdot \cos(\iota) \cdot \text{sen}(\alpha + \pi)$$

$$SV_{x3} = |SV| \cdot \text{sen}(\iota)$$

$$SH_{x1} = |SH| \cdot \cos\left(\frac{3\pi}{2} + \alpha\right)$$

$$SH_{x2} = |SH| \cdot \text{sen}\left(\frac{3\pi}{2} + \alpha\right)$$

$$SH_{x3} = 0$$

