



$$\frac{2g.1 = Vo^{2} \sin^{2}(\eta_{H} + \alpha \ell)}{2g} = \sin^{2}(\eta_{H} + \alpha \ell)$$

$$\frac{2g}{Vo^{2}} = \sin^{2}(\eta_{H} + \alpha \ell)$$

$$\frac{2g}{Vo^{2}} = \sin^{2}(\cos \alpha \ell + \cos \eta_{H} \sin \alpha \ell)$$

$$\frac{2g}{Vo^{2}} = \frac{\sqrt{2}(\cos \alpha \ell + \sin \alpha \ell)}{\sqrt{2}}$$

$$h$$