

$$\Delta z(z, \theta) = a(z) \sin \theta + z$$

$$a(z) = a_{max} \begin{cases} \frac{-\cos \frac{\pi z}{lt} + 1}{2} & t \leq a \\ 1 & t < a < \frac{h}{l} - t \\ \frac{-\cos \frac{\pi z}{lt} + 1}{2} & a \geq \frac{h}{l} - t \end{cases}$$

$$\{z | z = l \cdot n, 0 < n \leq \frac{h}{l}, n \in \mathbb{Z}\}$$

$a_{max} \equiv$ Max Amplitude

$t \equiv$ Number of Transition
Layers

$l \equiv$ Layer Height

$h \equiv$ Object Height