

```
p = 2;  
q = 3;  
period =  $\pi / q$ ;  
amplitude =  $\pi / (2 * p)$ ;  
trianglewave = Abs[4 /  $\pi * y$ ]^4 * (2 * amplitude) /  $\pi * \text{ArcSin}[\text{Sin}[x * \pi / \text{period}]]$  // Simplify  
128 Abs[y]^4 ArcSin[Sin[3 x]]  
 $\pi^4$   
  
Plot3D[trianglewave, {x, 0, 2  $\pi$ }, {y, 0,  $\pi / 4$ }]
```

