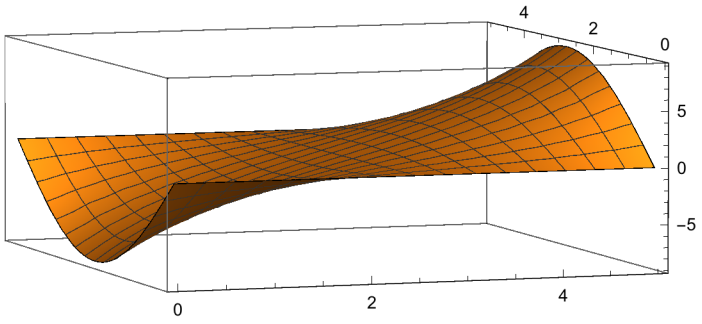
```
po := 7
a := 5
ϕ[x_, y_, n_] :=
```

$$\frac{4\,po}{\pi}\sum_{i=0}^{n}\frac{1}{(2\,i+1)\,\text{Sinh}\left[\frac{(2\,i+1)\,\pi}{2}\right]}\,\text{Sinh}\left[(2\,i+1)\,\pi\left(\frac{x}{a}-\frac{1}{2}\right)\right]\,\text{Sin}\left[\frac{(2\,i+1)\,\pi}{a}\,y\right]$$

seno hiperbólico — seno

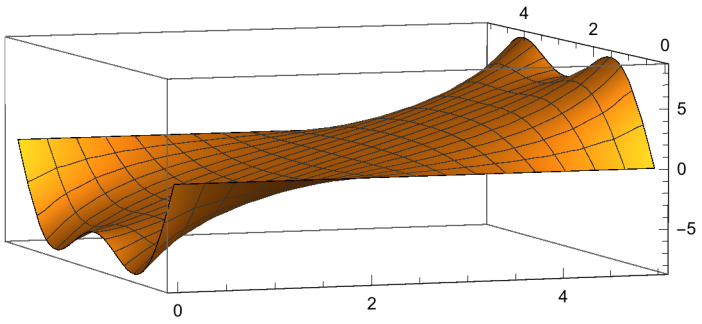
```
Plot3D[ϕ[x, y, 0], {x, 0, a}, {y, 0, a}, ViewPoint → {-7, -20, 2}]
```

representación gráfica 3D — punto de vista



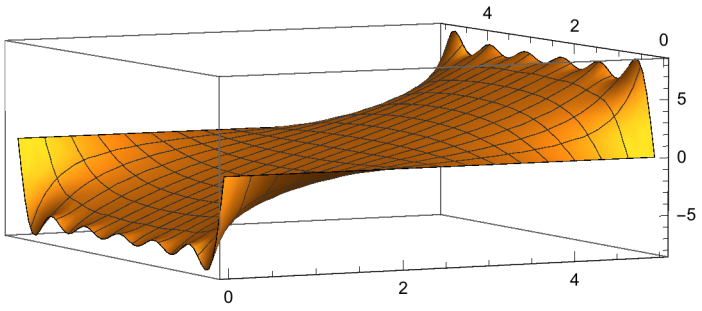

```
Plot3D[ϕ[x, y, 1], {x, 0, a}, {y, 0, a}, ViewPoint → {-7, -20, 2}]
```

representación gráfica 3D — punto de vista




```
Plot3D[ϕ[x, y, 5], {x, 0, a}, {y, 0, a}, ViewPoint → {-10, -20, 2}]
```

representación gráfica 3D — punto de vista



```
Plot3D[ϕ[x, y, 100], {x, 0, a}, {y, 0, a}, ViewPoint → {-10, -20, 2}]
```

representación gráfica 3D punto de vista