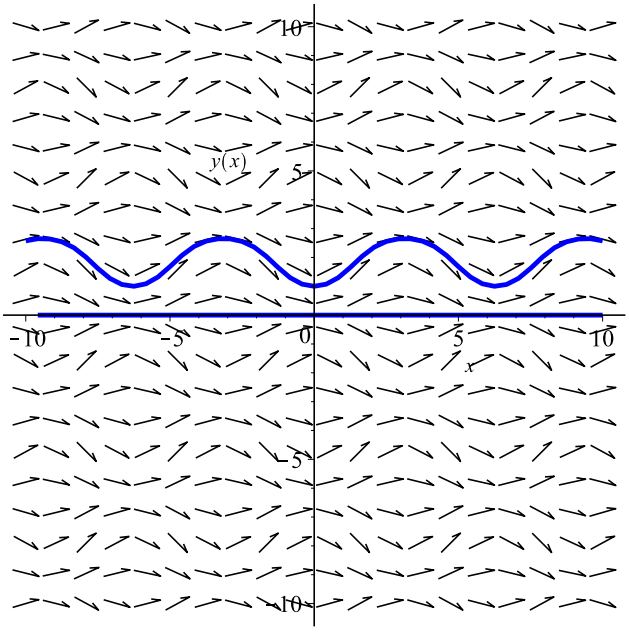
```
with(plots):
with(DEtools):

DEplot([diff(y(x),x) = sin(x)·sin(y(x))], [y], x = -10..10, y = -10..10, [y(0) = 1, y(2) = 0], color
    = black, linecolor = blue)
```



$$\lim_{t \to \infty} 2 \cdot \mathrm{Pi} \cdot \int_1^t \frac{1}{x} \cdot \sqrt{1 + \frac{1}{x^4}}\, dx$$

$$\infty \qquad \textbf{(1)}$$

```
assume(t > 2)
```

$$2 \cdot \mathrm{Pi} \cdot \int_1^{\infty} \frac{1}{x} \cdot \sqrt{1 + \frac{1}{x^4}}\, dx$$

$$\pi\ \infty \qquad \textbf{(2)}$$