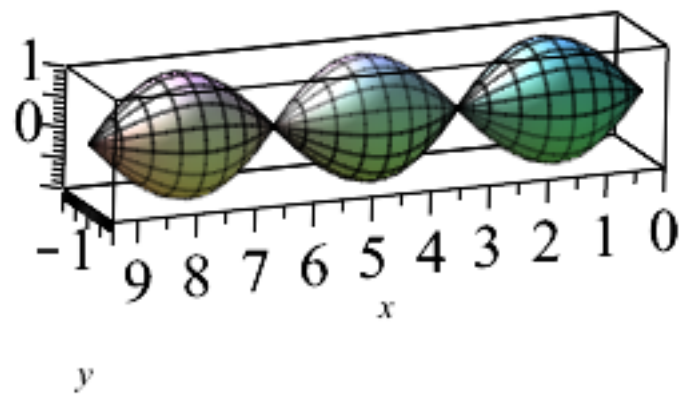


>

実習20.2

(1)

```
> plot3d([s, sin(s)·cos(t), sin(s)·sin(t)], s=0..3·Pi, t=0..3·Pi)
```



(2)

```
> Pi·int((sin(t))^2, t=0..3·Pi)
```

$$\frac{3\pi^2}{2}$$

(1)

(3)

```
> 2·Pi·int(sqrt(1+(diff(sin(t),t))^2)·abs(sin(t)), t=0..3·Pi)
2π(3√2+3ln(1+√2))
```

(2)

>