```
> with(plots):
> animate3d( sin(5*x)*sin(3*y)*cos(t), x=0..Pi, y=0..Pi, t=0..2*Pi)
  ;
```

```
> u := (x,y,t) -> sum(sum((1/(n+m))*sin(n*x)*sin(m*y)*cos(sqrt(n^2+
  m^2)*t),n=1..4),m=1..4);
```

$$u := (x, y, t) \mapsto \sum_{m=1}^{4} \sum_{n=1}^{4} \frac{\sin(n \cdot x) \cdot \sin(m \cdot y) \cdot \cos\left(\sqrt{m^2 + n^2} \cdot t\right)}{n + m} \tag{1}$$

```
> animate3d(u(x,y,t),x=0..Pi,y=0..Pi,t=1..20);
```

```
> ?animate3d
```