

```
[ > with(plots):  
[ > u := t -> (Heaviside(t)-Heaviside(t-Pi))*sin(t);  
      t -> (Heaviside(t) - Heaviside(t -  $\pi$ )) sin(t)  
[ > v := (x,t) -> Heaviside(t-x)*u(t-x);  
      (x, t) -> Heaviside(t - x) u(t - x)  
[ > plot( u(t) ,t=0..8);  
[ > animate( v(x,t), x=0..30, t=0..30 , numpoints=500);  
[ > animate3d( sin(2*x)*sin(2*y)*cos(2*t), x=0..Pi , y=0..Pi ,  
      t=0..2*Pi);
```