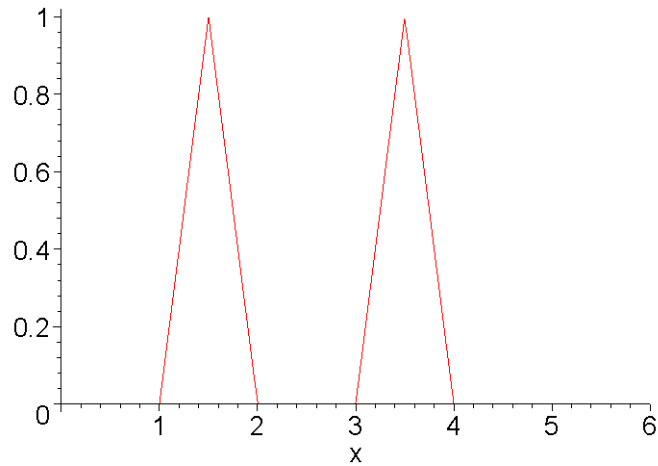


```

> f:= (x,a,b)-> piecewise(x<a,0,x>=a and
  x<(a+b)/2,2*(x-a)/(b-a),x>=(a+b)/2 and x<b,2*(b-x)/(b-a),0):
> ff:= x -> f(x,1,2)+f(x,3,4): plot(ff(x),x=0..6); # This is the
  initial displacement (init. vel. g(x)=0)

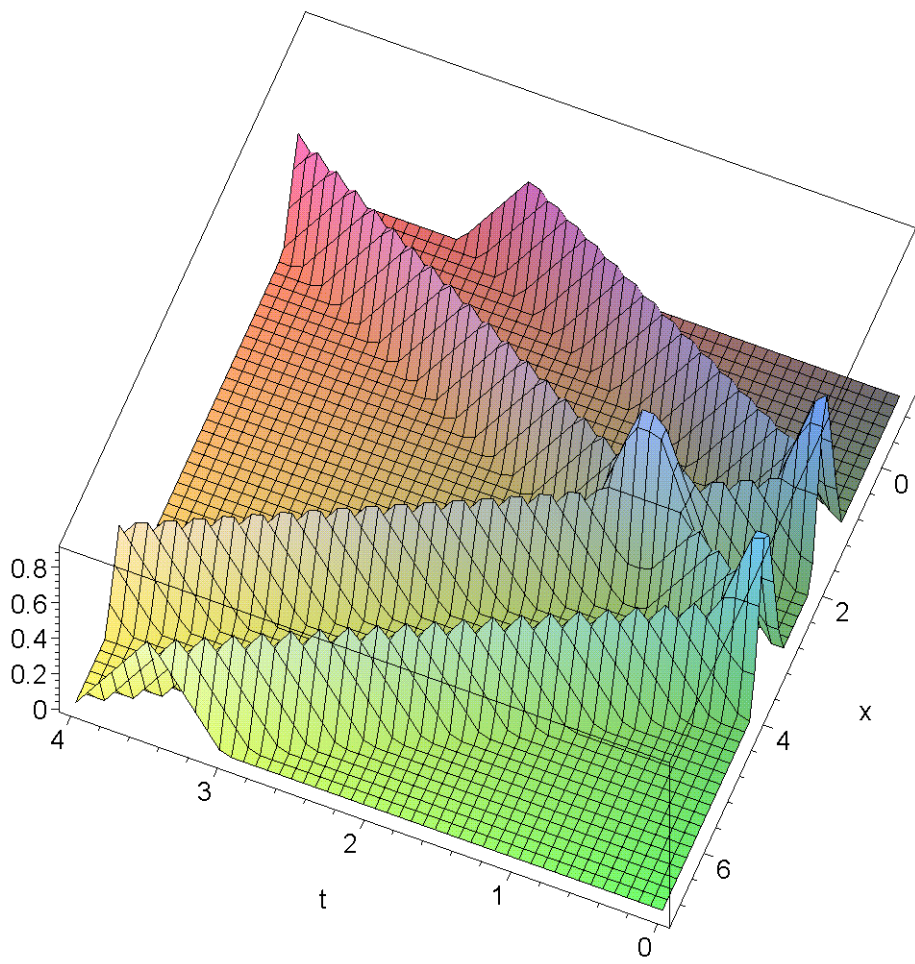
```



```

> u:= (x,t) -> 0.5*(ff(x+t) + ff(x-t)): # d'Alembert solution
> plot3d(u(x,t),t=0..4,x=-1..7,axes=BOXED,grid=[50,50]);

```



[>