FAQ · Borsic sketchy for D'Alenbert Jan | WH = (2) Wxx , tro w(x,0) = f(x) \ (-00 (x (0) W = (x, 0) = 9(2) & |Sol7/: $\omega(x,t) = \frac{1}{2} \left(f(x+ct) + f(x-ct) \right)$ xtct 2015 f({) Consider f(x-t) (vole (z)-> f subsed to right. Touche: some for new origin $w = \frac{1}{2} \left(f(x-t) + f(x+t) \right)$ andoly flate versory x+(=0) f(3c+2) < -> f(x-2) f(x+t) f(x+t)+f(x-t))

= 1/2 ((x+t)+f(x-t))

= 1/2 ((x+t)+f(x-t))

outlep.

Joseph Serve

Joseph Deney parts

(cel above)

what about overlapping?

Do I read to remaker

(Lu, v) = (u, L[†]v);
yes
yo I need to remember
J(u, v) | = -->ro (vot for we anyway)

How do I shelm comes for heat er 7 Jey o Assymut 0 2013 Ib. Q16 ws. Keys:

SS Solv L to

BC 2 sext. In between 5 c & 58 $\frac{1}{r} \approx \frac{1}{2} u(x,0) = Ic = 0$ uss (t->0) · Swall t \sim t small-Sat BC · large t -now SS $U(x,0) = T\tilde{C} = 0$. denote (mored &c sout be eg unc (0,2) + u(0,1) -> Note Ic doesn't weld to soletied ocxclo $V_{\infty}(0,t) = -V(0,t)$ 4 > 0 => 4 > C < 0 >other som do

know Couly-buter sol"? Los yes know Bessel freten? - tor . dorg al cululte coeff. It ey, exposur of Ic is in terms of Serve borses, just mutch coeff. (orthog). U(x,0)= Ao + 2 An cos 4x = 2 + 10 cors 30x \Rightarrow $A_0 = 2$, $A_{30} = 10$, $A_0 = 0$