**Lax-Wendroff Method for the 1D Diffusion-Advection Equation**

Solving the equation:

where C = C(x,t), u = dL/dt, and d is a parameter.

The general form of the Advection equation is:

to which the solution is:

or, in finite difference form:

and

For the equation in question:

or, in finite difference form:

and