Ay190 – Worksheet 13
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1 Advection Equation

Figure 1 shows 3 stages in the evolution of the function using Burger's equation implemented with an upwind scheme.
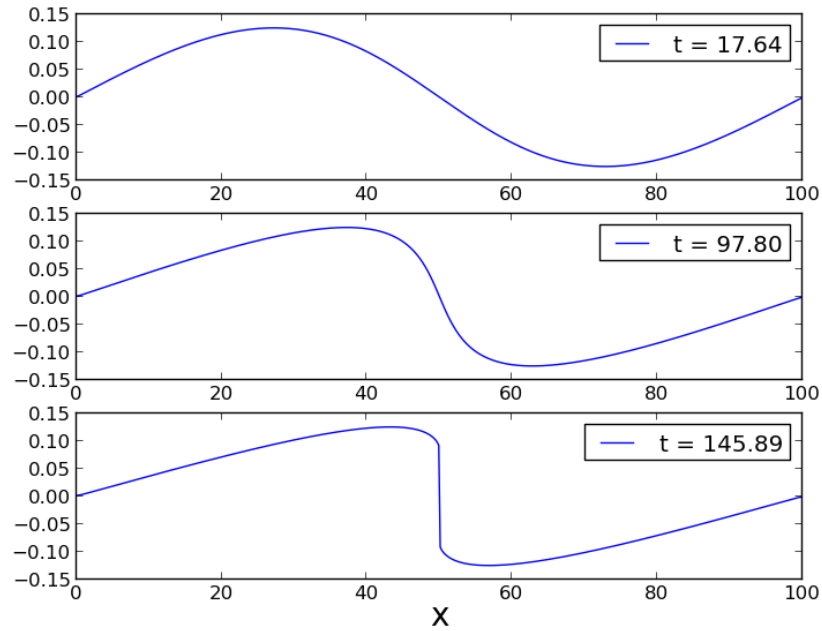

Figure 1: A shock developed by advecting a sine function using Burger's equation implemented with an upwind scheme and outflow boundary conditions.