**3. Dynamics:**

1. Generate solitons with different values of α and confirm that they are propagated for at least a few transits across the spatial domain without any significant change of shape. Compare them with the analytic solutions:

2. Observe how the speed of the soliton is related to its height.

Propagation speed depends on amp/h

3. Investigate how the values of h and ∆t needed for stability depend on the soliton parameter α.

* h needs to be larger than α, when h = α = 1, t = 0.005:

h needs to be larger than 1.