

1-D shallow water spectral code

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k=1, vortical mode =2k we kill all the modes including 4 and after 4 at each time step.
solutions at time=10 are plotted , with $\epsilon = 0.1$

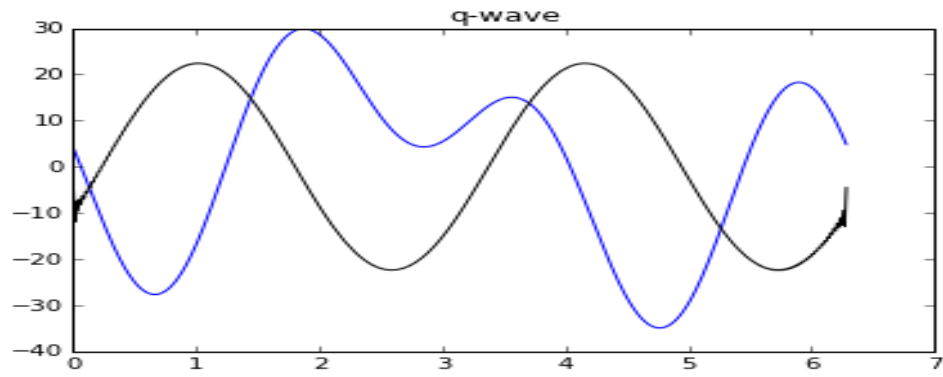


Figure 1: q with 2 waves

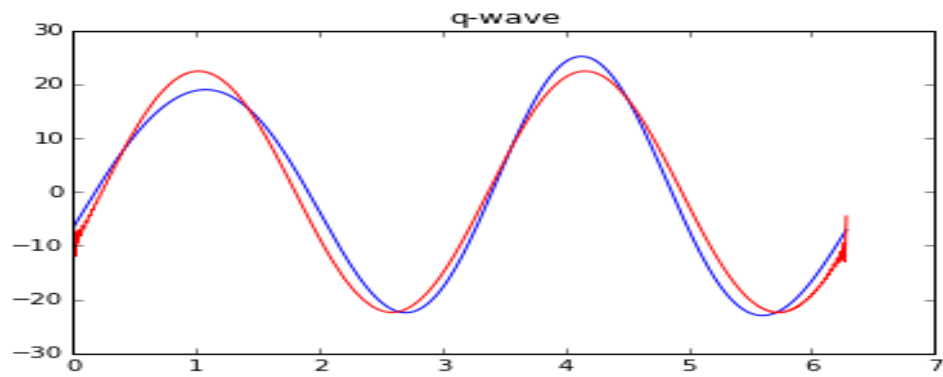


Figure 2: q with 1 wave

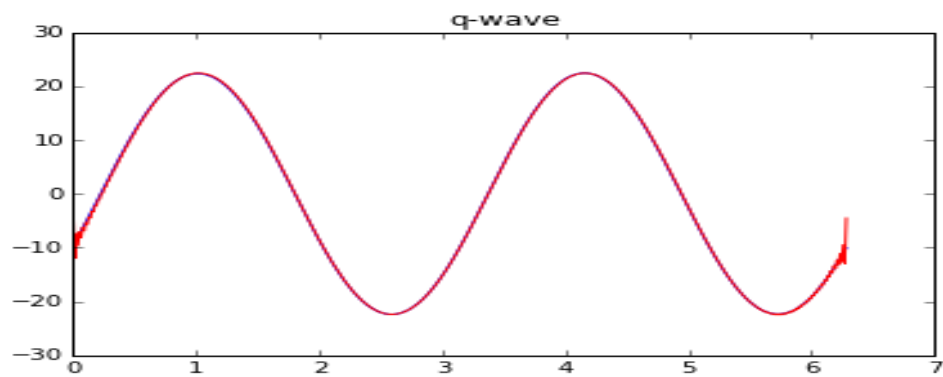


Figure 3: q with no waves