*2nd order Huen method*

*Where*

*2nd order Cauchy –Euler*

*Where*

*Classic Runge-Kutta Third Order*

*This method is a third order Runge-Kutta method for approximating the solution of the initial value problem*

*which evaluates the integrand, f(x,y), three times per step. For step i+1,*

*This method is a third order procedure for which Richardson extrapolation can be used.*

*Where*

*Nystrom Method 3rd order*

*Where*

*Optimum method (!?) 3rd order*

*Where*

*Heun 3rd order*

*Where*