Order	Formula	LTE
1	$\boldsymbol{y}_{n+1} = \boldsymbol{y}_n + h \boldsymbol{f}_n$	$rac{h^2}{2}m{y}^{\prime\prime}(\eta)$
2	$oldsymbol{y}_{n+2} = oldsymbol{y}_{n+1} + rac{h}{2}\left[3oldsymbol{f}_{n+1} - oldsymbol{f}_n ight]$	$rac{5h^3}{12}oldsymbol{y}^{\prime\prime\prime}(\eta)$
3	$y_{n+3} = y_{n+2} + \frac{h}{12} \left[23 f_{n+2} - 16 f_{n+1} + 5 f_n \right]$	$rac{3\hbar^4}{8}oldsymbol{y}^{(4)}(\eta)$
4	$y_{n+4} = y_{n+3} + \frac{h}{24} [55 f_{n+3} - 59 f_{n+2} + 37 f_{n+1} - 9 f_n]$	$rac{251h^5}{720}m{y}^{(5)}(\eta)$
5	$\boldsymbol{y}_{n+5} = \boldsymbol{y}_{n+4} + \frac{h}{720} \left[1901 \boldsymbol{f}_{n+4} - 2774 \boldsymbol{f}_{n+3} + 2616 \boldsymbol{f}_{n+2} - 1274 \boldsymbol{f}_{n+1} + 251 \boldsymbol{f}_n \right]$	$rac{95h^6}{2888}m{y}^{(6)}(\eta)$