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