Order	Formula	LTE
1	$\boldsymbol{y}_{n+1} = \boldsymbol{y}_n + h \boldsymbol{f}_{n+1}$	$-rac{h^2}{2}oldsymbol{y}^{\prime\prime}(\eta)$
2	$oldsymbol{y}_{n+2} = oldsymbol{y}_{n+1} + rac{h}{2}\left[oldsymbol{f}_{n+2} + oldsymbol{f}_{n+1} ight]$	$-rac{h^3}{12}m{y}^{\prime\prime\prime}(\eta)$
3	$m{y}_{n+3} = m{y}_{n+2} + rac{h}{12} \left[5 m{f}_{n+3} + 8 m{f}_{n+2} - m{f}_{n+1} ight]$	$-rac{h^4}{24}oldsymbol{y}^{(4)}(\eta)$
4	$\boldsymbol{y}_{n+4} = \boldsymbol{y}_{n+3} + rac{h}{24} \left[9 \boldsymbol{f}_{n+4} + 19 \boldsymbol{f}_{n+3} - 5 \boldsymbol{f}_{n+2} + \boldsymbol{f}_{n+1} ight]$	$-rac{19h^5}{720}m{y}^{(5)}(\eta)$
5	$\boldsymbol{y}_{n+5} = \boldsymbol{y}_{n+4} + \frac{h}{720} \left[251 \boldsymbol{f}_{n+5} + 646 \boldsymbol{f}_{n+4} - 264 \boldsymbol{f}_{n+3} + 106 \boldsymbol{f}_{n+2} - 19 \boldsymbol{f}_{n+1} \right]$	$-rac{3h^6}{160}m{y}^{(6)}(\eta)$