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