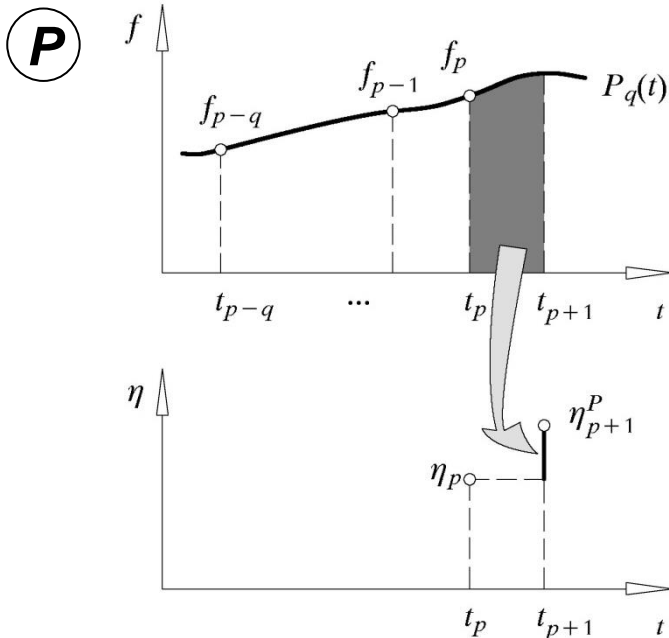
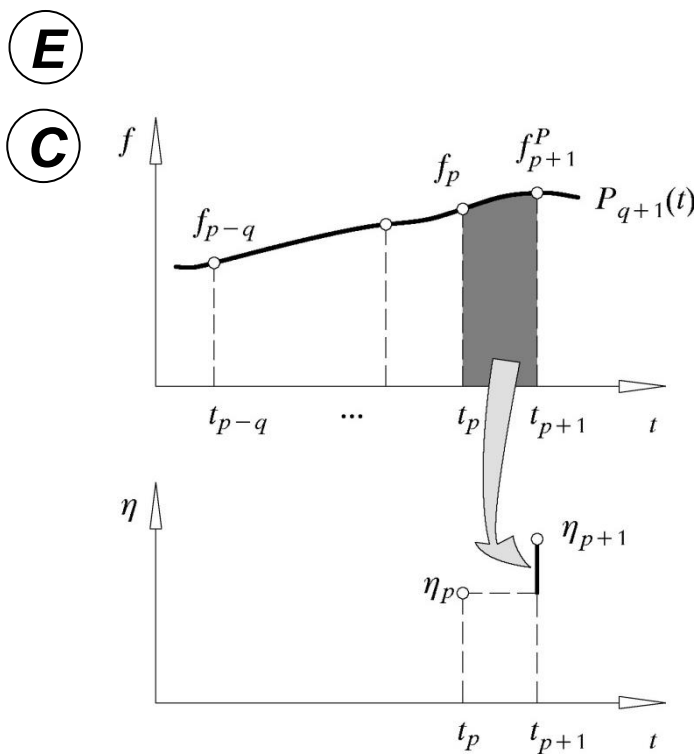


PECE-Verfahren (Predict-Evaluate-Correct-Evaluate)



Adams-Bashforth
($q + 1$)-ter Ordnung

$$\eta_{p+1}^P = \eta_p + h \sum_{i=0}^q \beta_{q,i}^{AB} f_{p-i}$$



$$f_{p+1}^P := f(t_{p+1}, \eta_{p+1}^P)$$

Adams-Moulton
($q + 2$)-ter Ordnung

$$\eta_{p+1} = \eta_p + h \sum_{i=1}^{q+1} \beta_{(q+1),i}^{AM} f_{p+1-i} + h \beta_{(q+1),0}^{AM} f_{p+1}^P$$

E

$$f_{p+1} := f(t_{p+1}, \eta_{p+1})$$