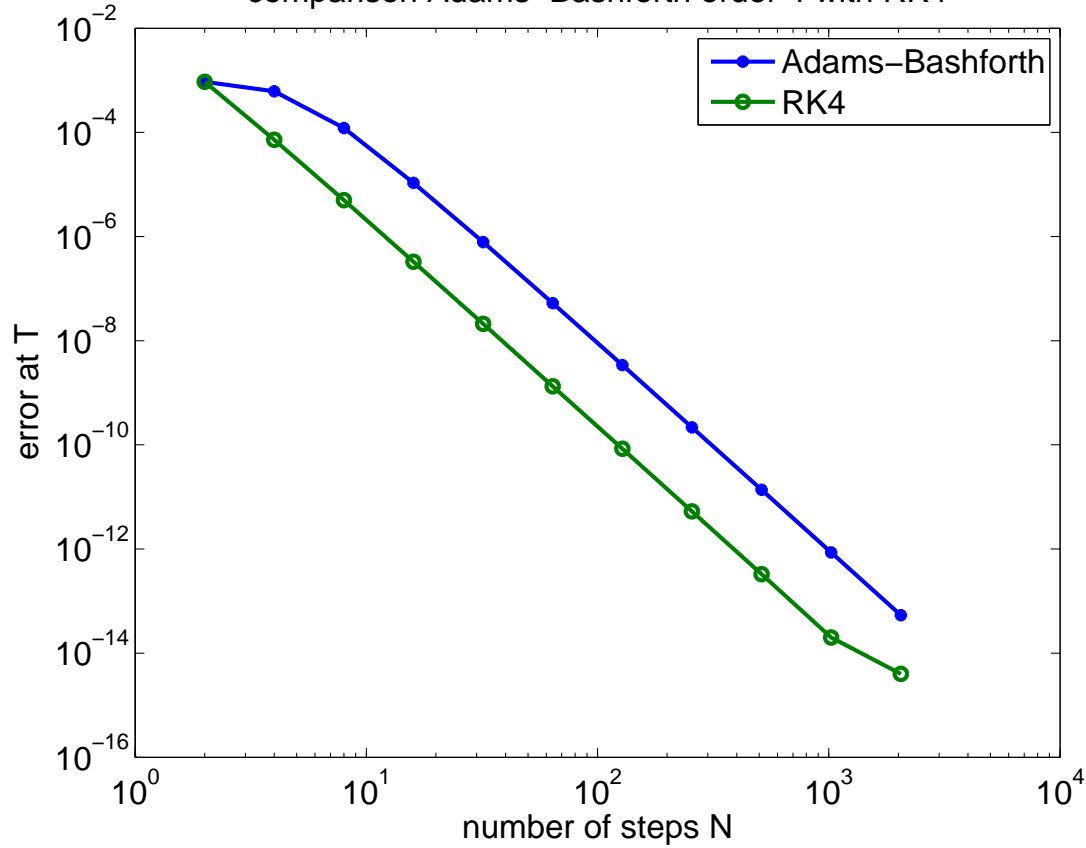
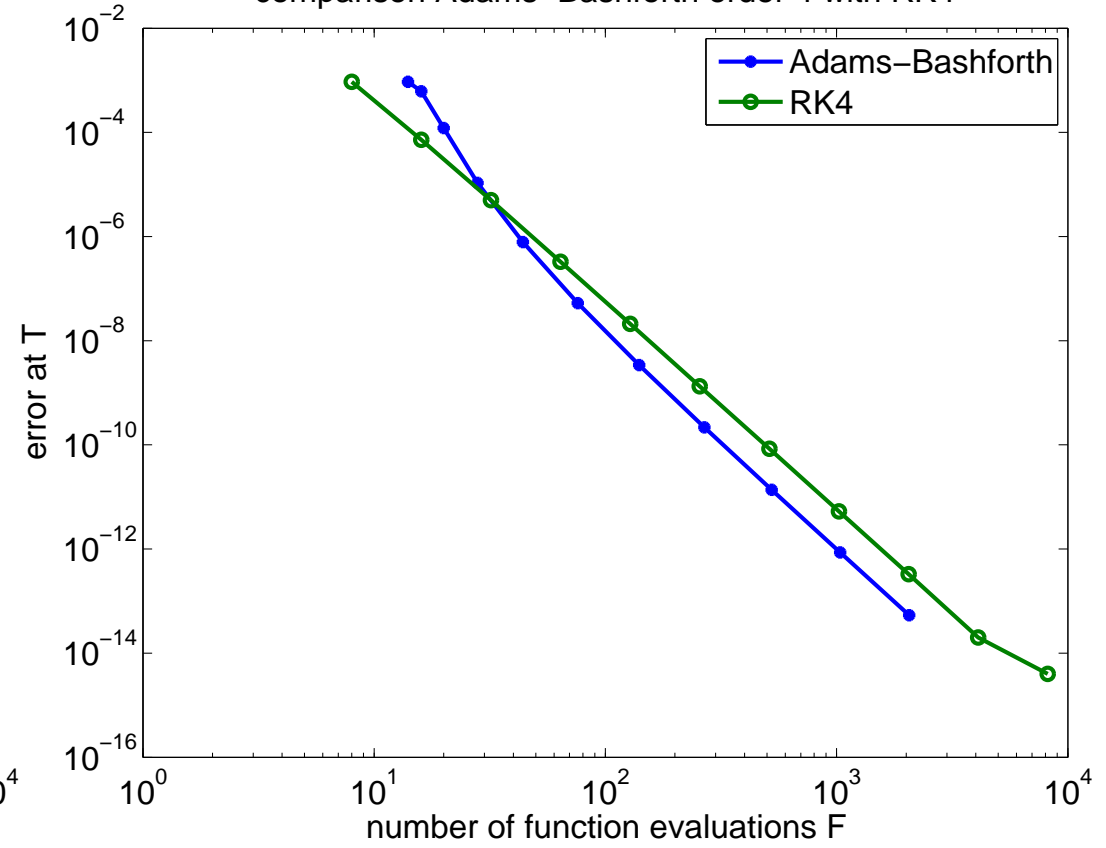


# Adams-Bashforth-Verfahren: Fehler gegen Anzahl Funktionsauswertungen ( $y' = -y$ )

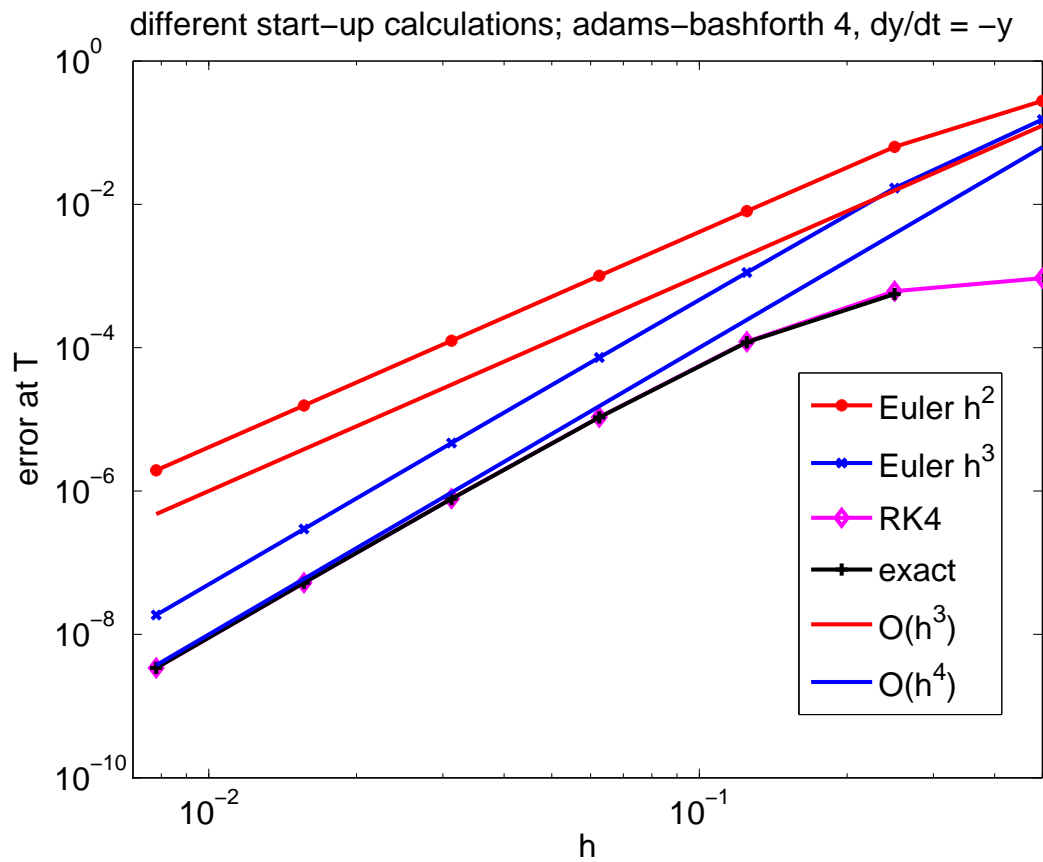
comparison Adams-Bashforth order 4 with RK4



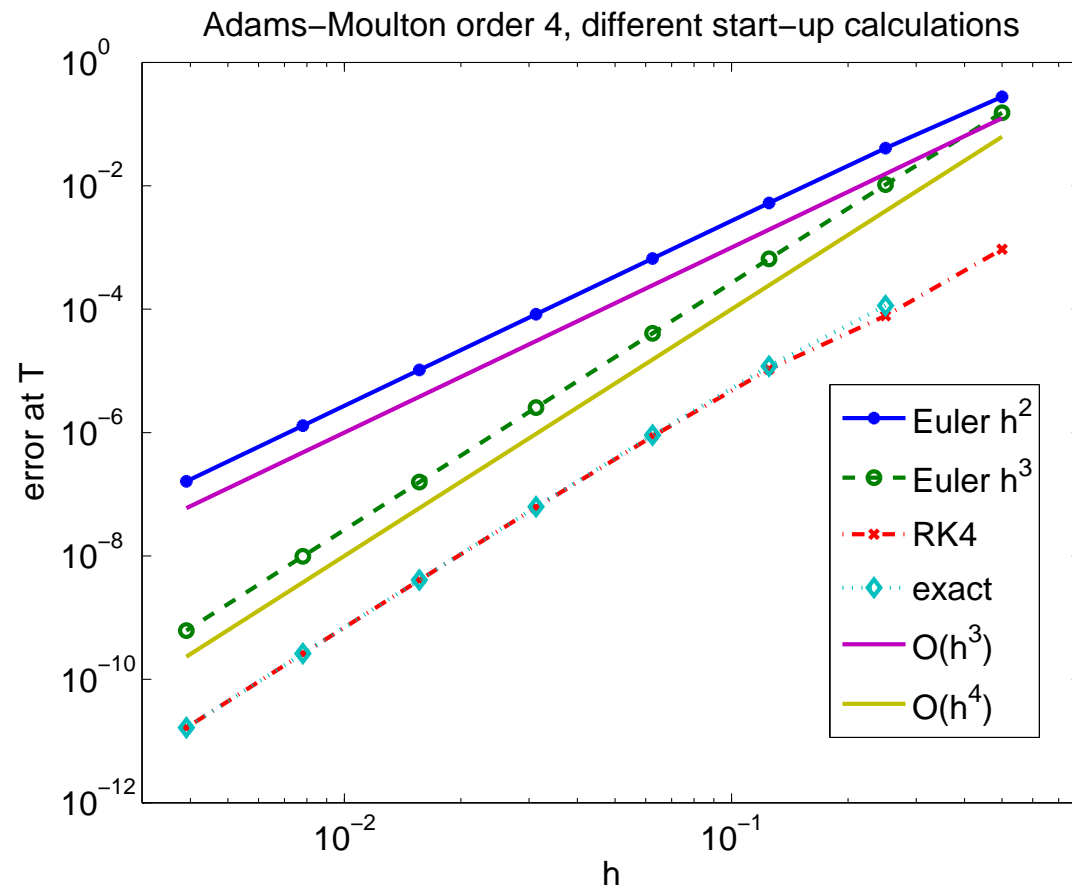
comparison Adams-Bashforth order 4 with RK4



# Adams-Verfahren: Einfluß der Startgenauigkeit ( $y' = -y$ )



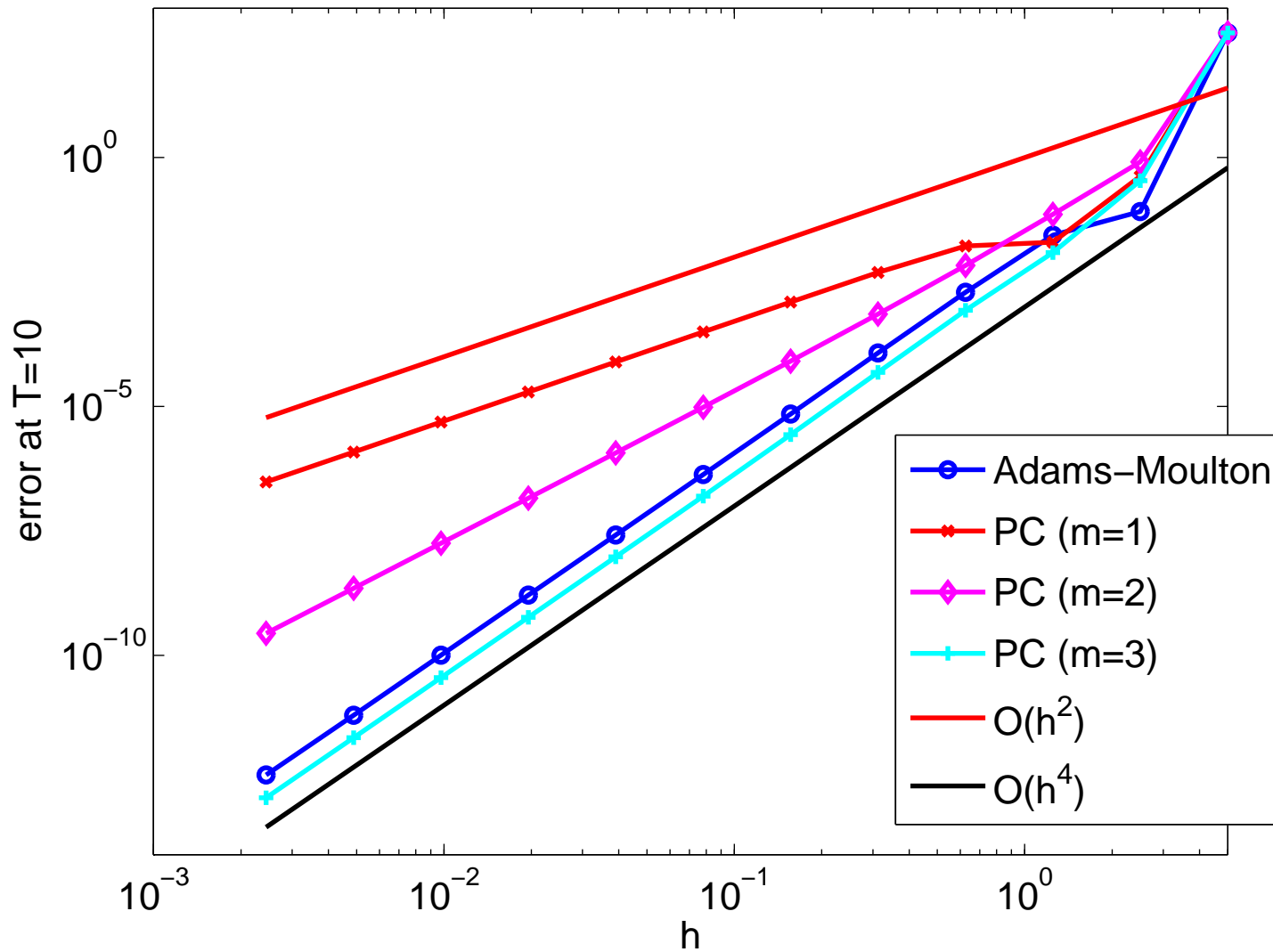
links: Adams-Bashforth 4ter Ordnung



rechts: Adams-Moulton 4ter Ordnung

# Predictor-Corrector-Verfahren: C = AM4, P = expl. Euler

multistep methods for  $dy/dt = -1*(y - \cos t)$ ; explicit Euler as predictor



Konsistenzordnung:  $\min\{m_C, m_P + m\}$

# Predictor-Corrector-Verfahren: $C = AM4$ , $P = AB4$

multistep methods for  $dy/dt = -5*(y - \cos t)$ ; AB4 as predictor

