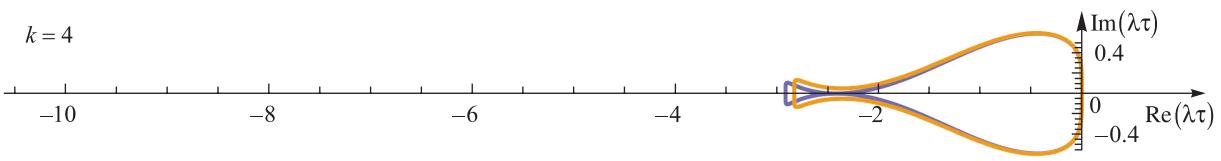
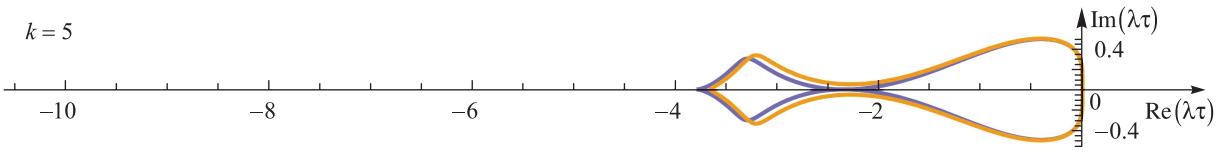


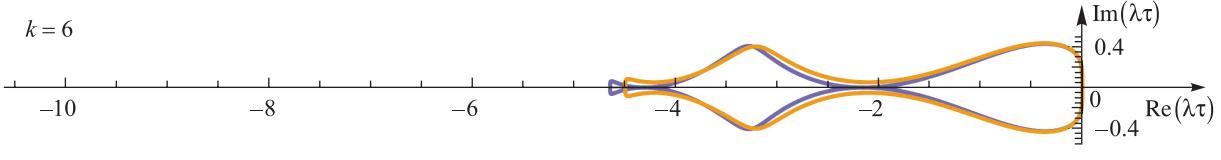
$k = 4$



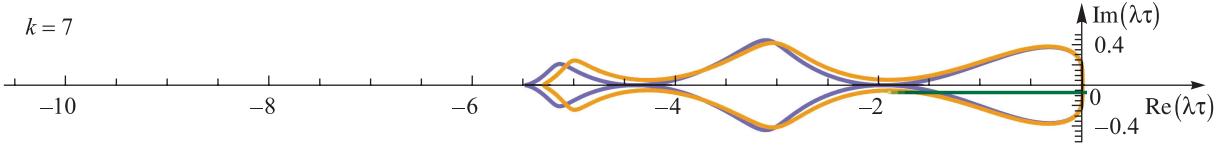
$k = 5$



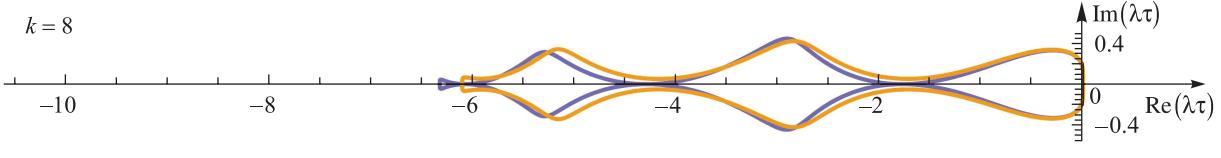
$k = 6$



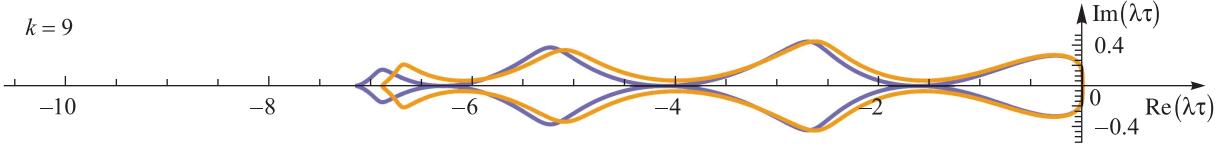
$k = 7$



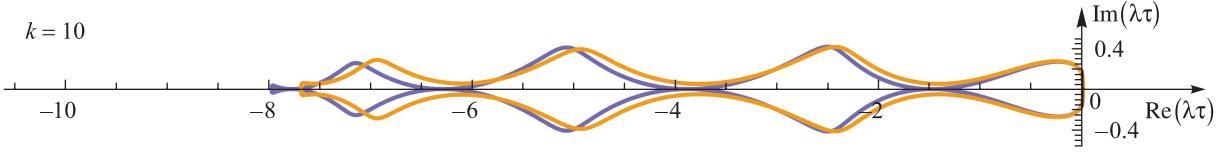
$k = 8$



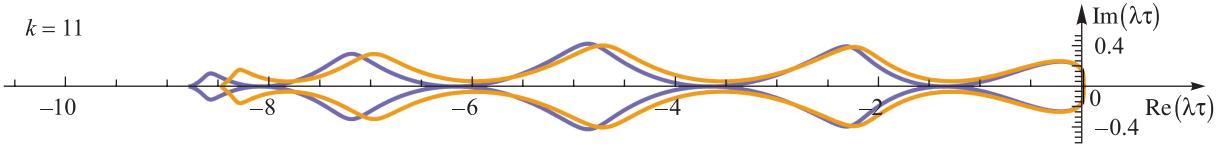
$k = 9$



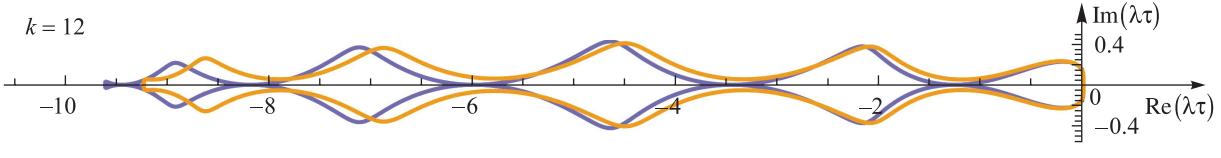
$k = 10$



$k = 11$



$k = 12$



$k = 13$

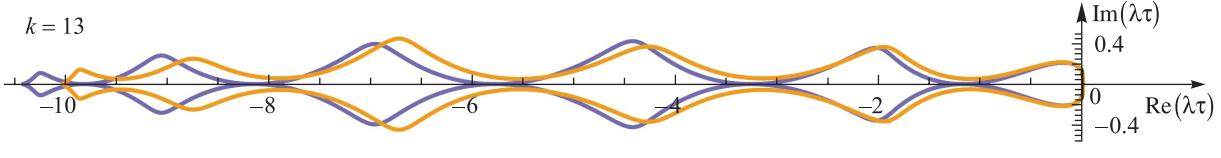


Fig. 4. Stability regions of the second order methods with an extended stability interval and their damped versions ($\varepsilon = 0.05$) for $k = 4, \dots, 13$