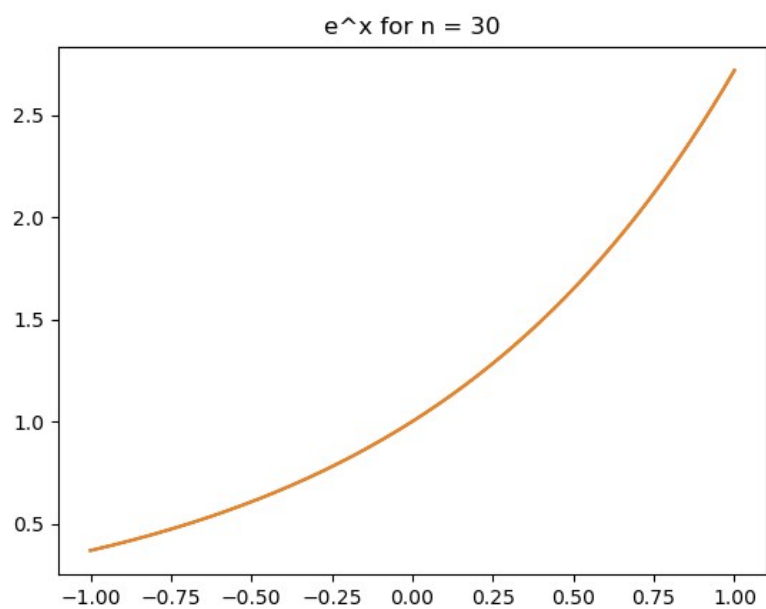
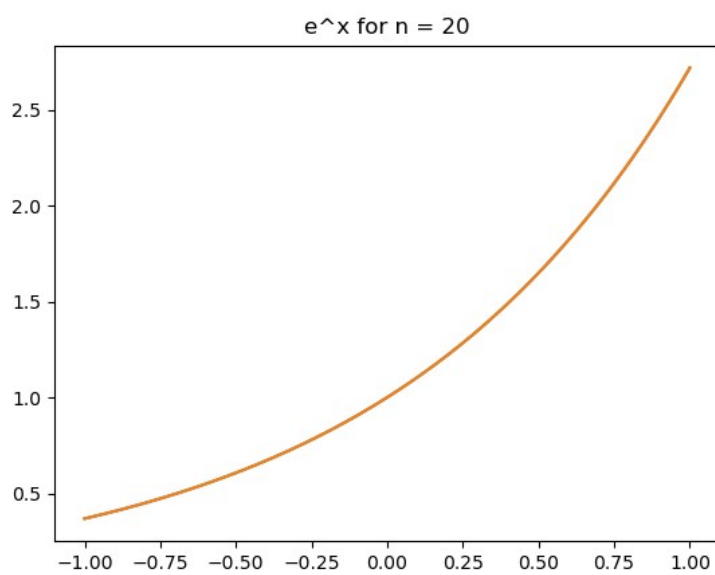
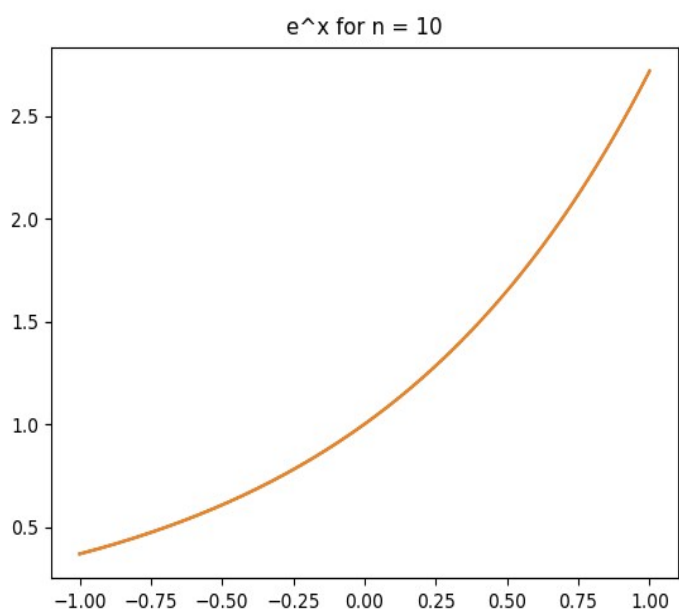
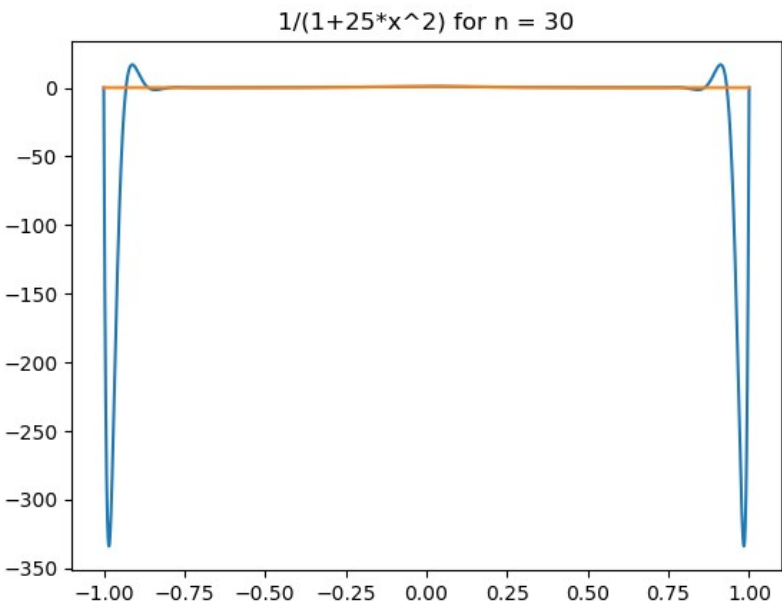
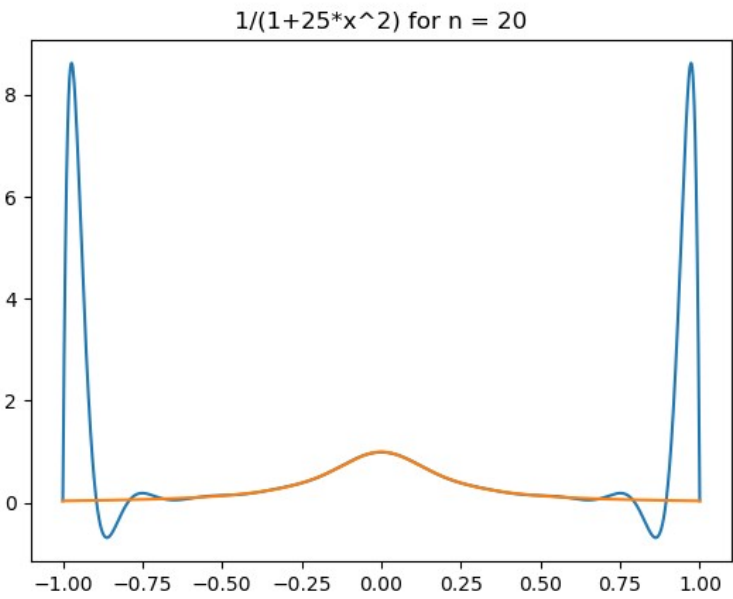
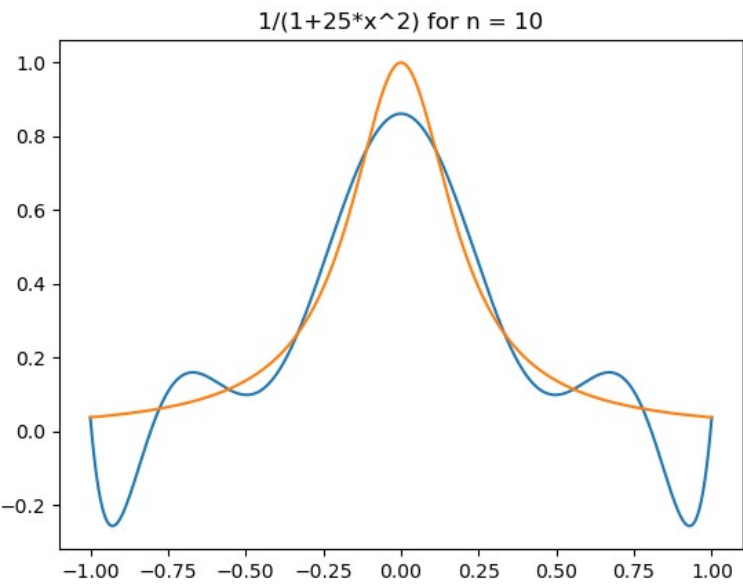


# Berechnung des Interpolationspolynoms I: Newton Darstellung

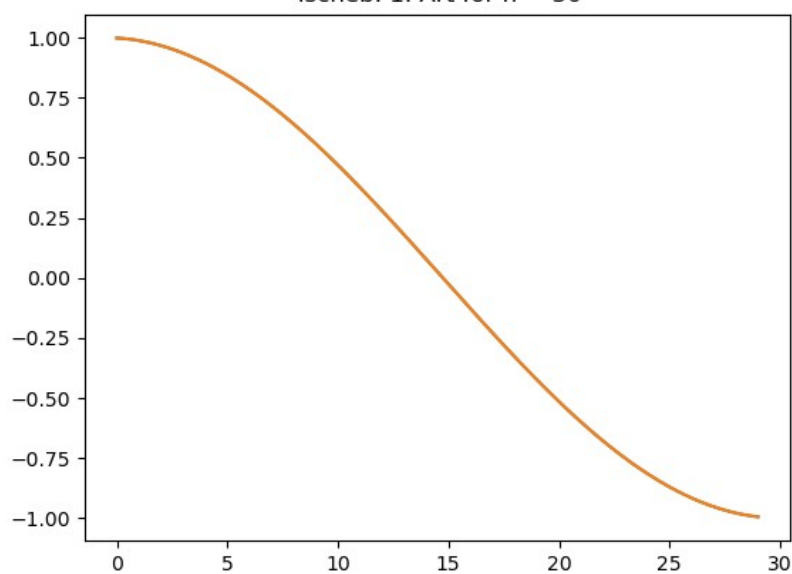


Runges Phänomen I

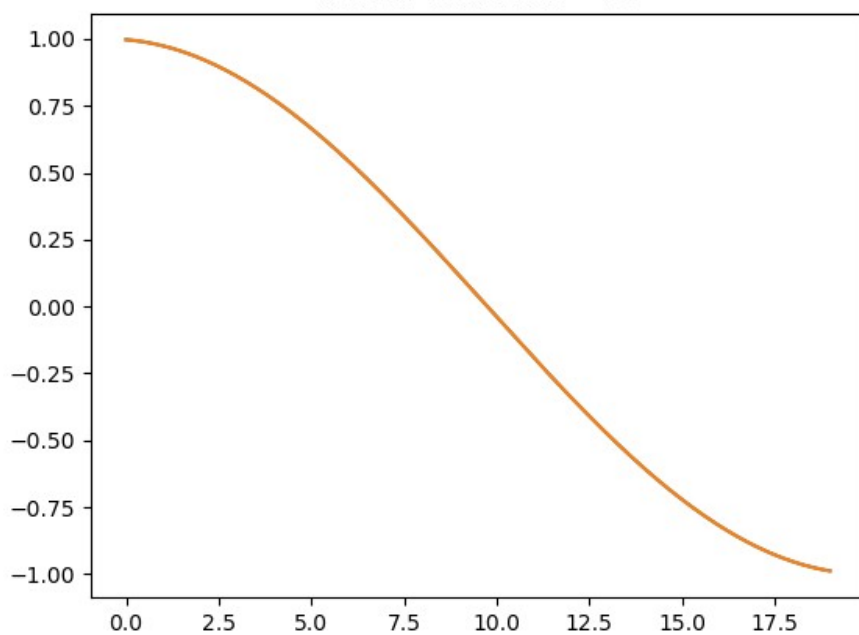


## Runges Phanomen I: Tschebyscheff Knoten

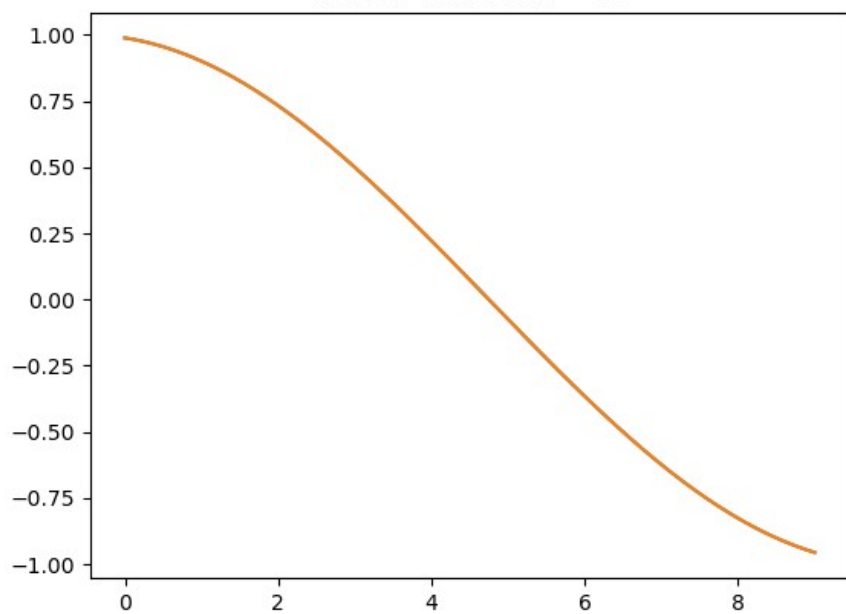
Tscheb. 1. Art for  $n = 30$



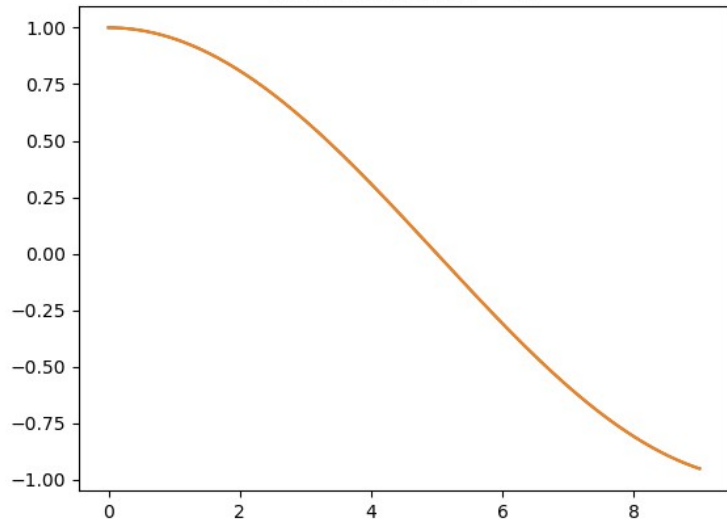
Tscheb. 1. Art for  $n = 20$



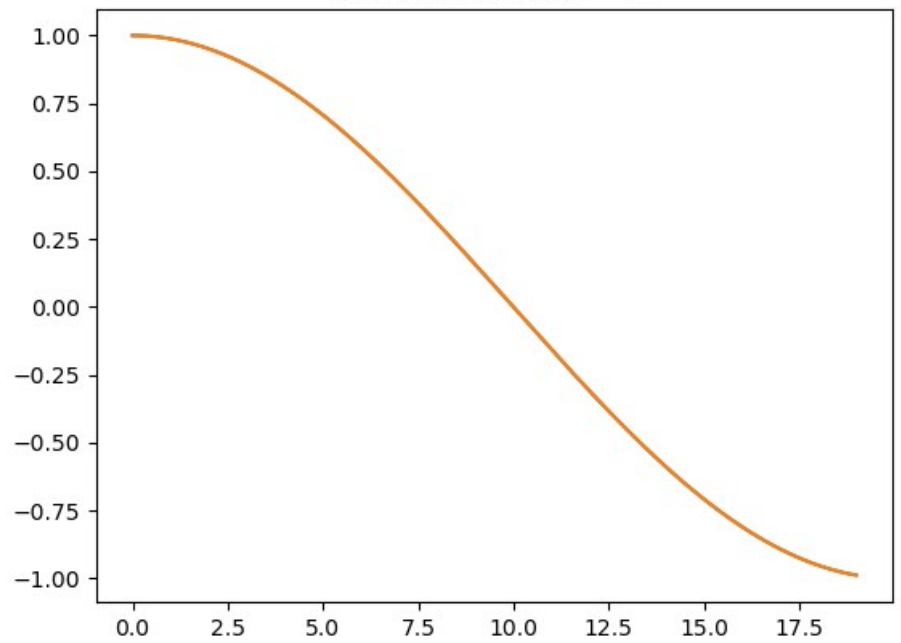
Tscheb. 1. Art for  $n = 10$



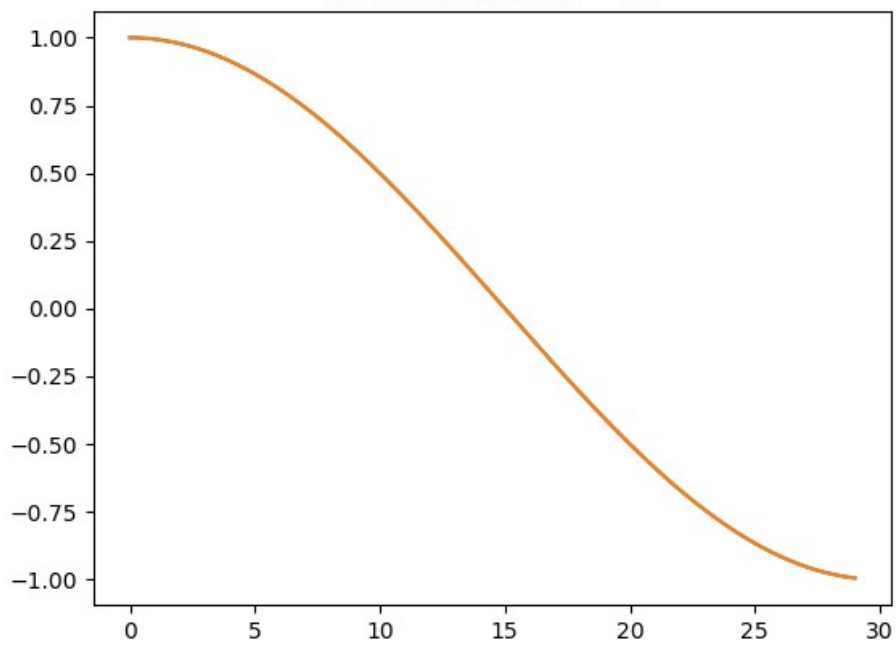
Tscheb. 2. Art for  $n = 10$



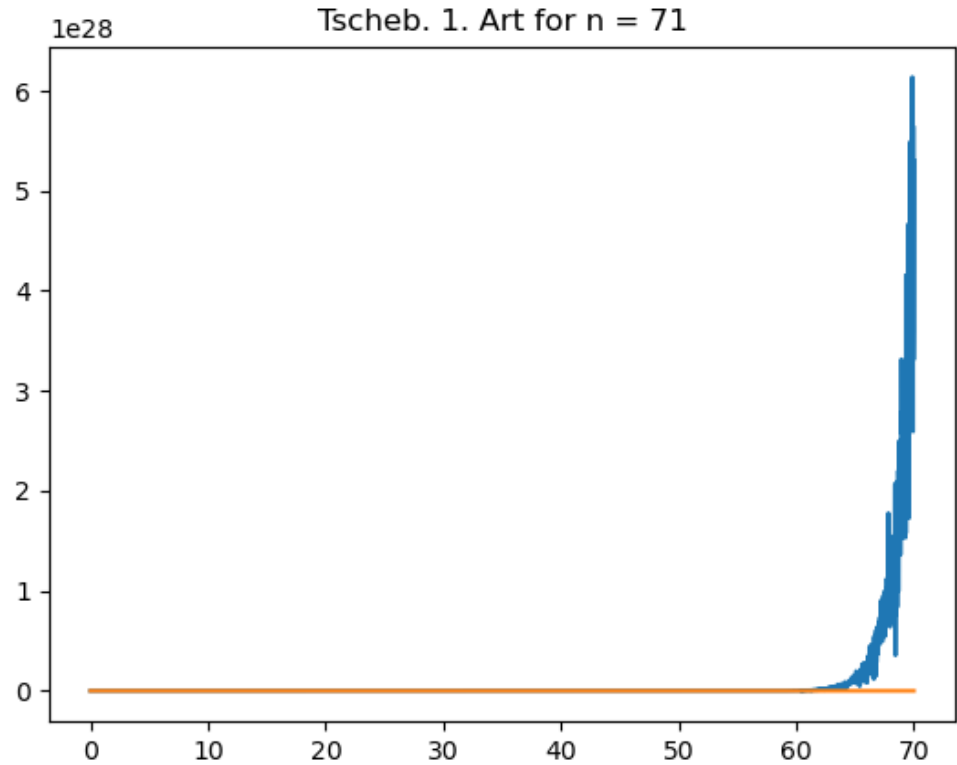
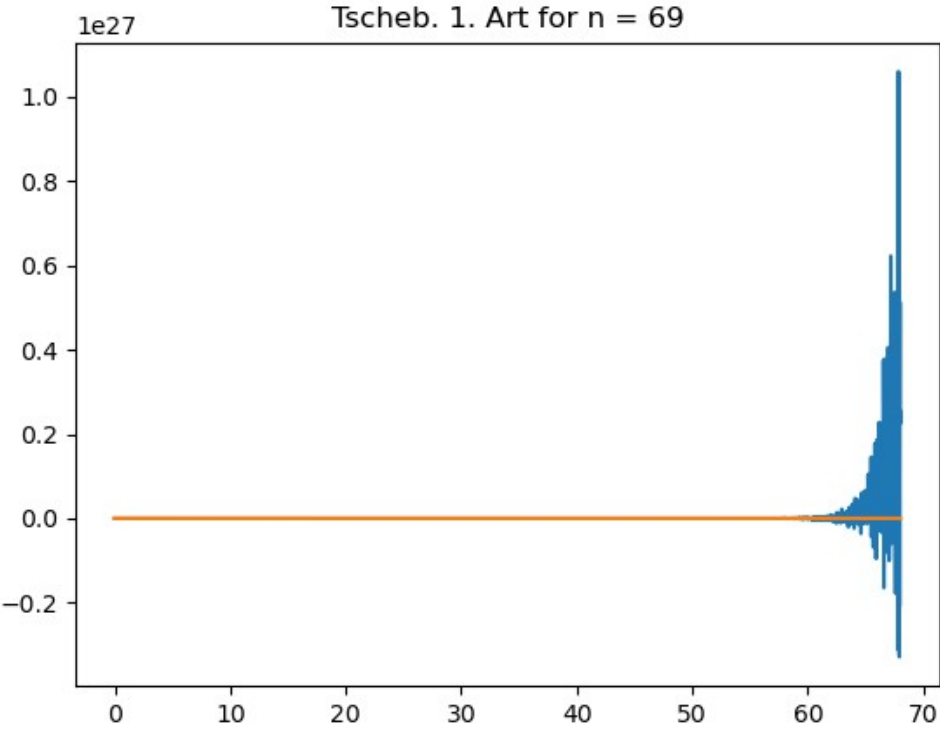
Tscheb. 2. Art for  $n = 20$



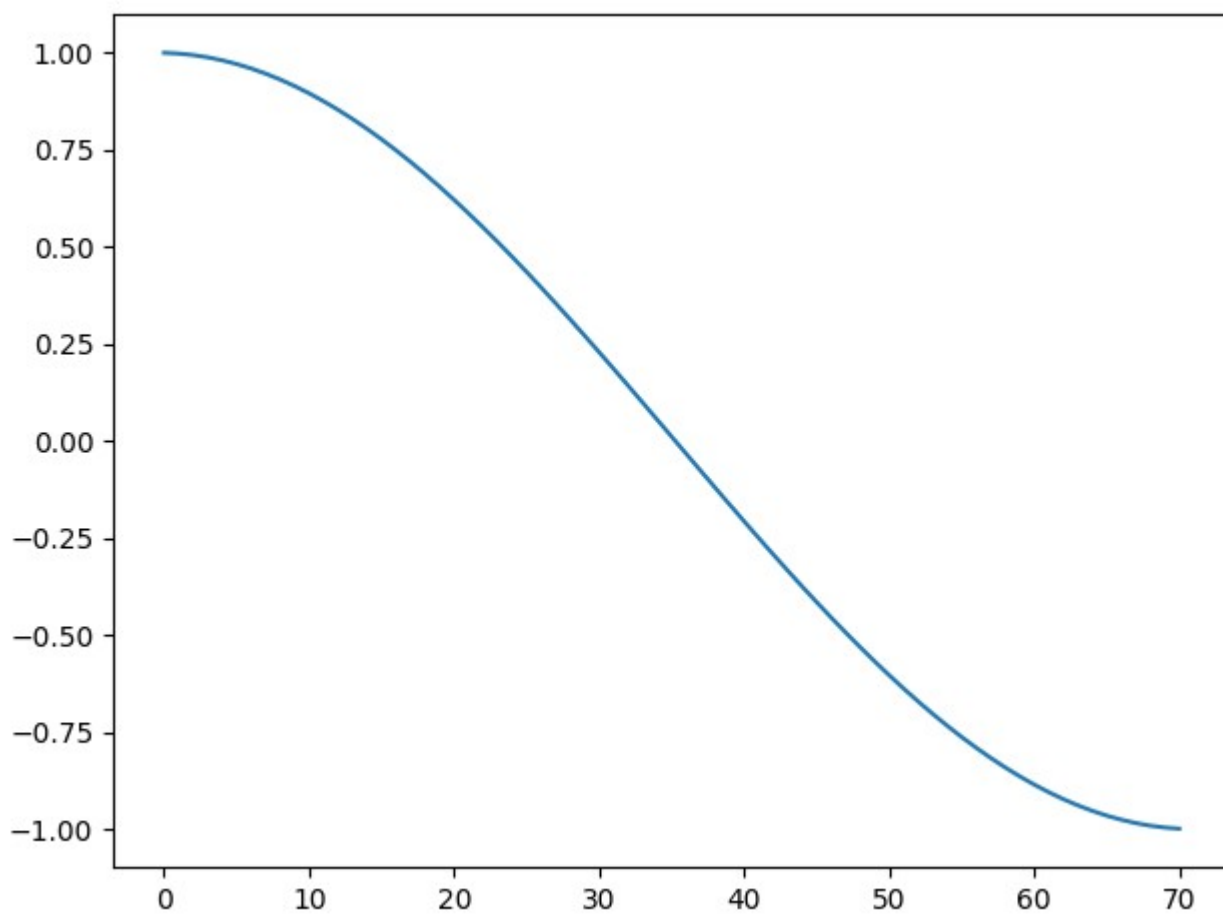
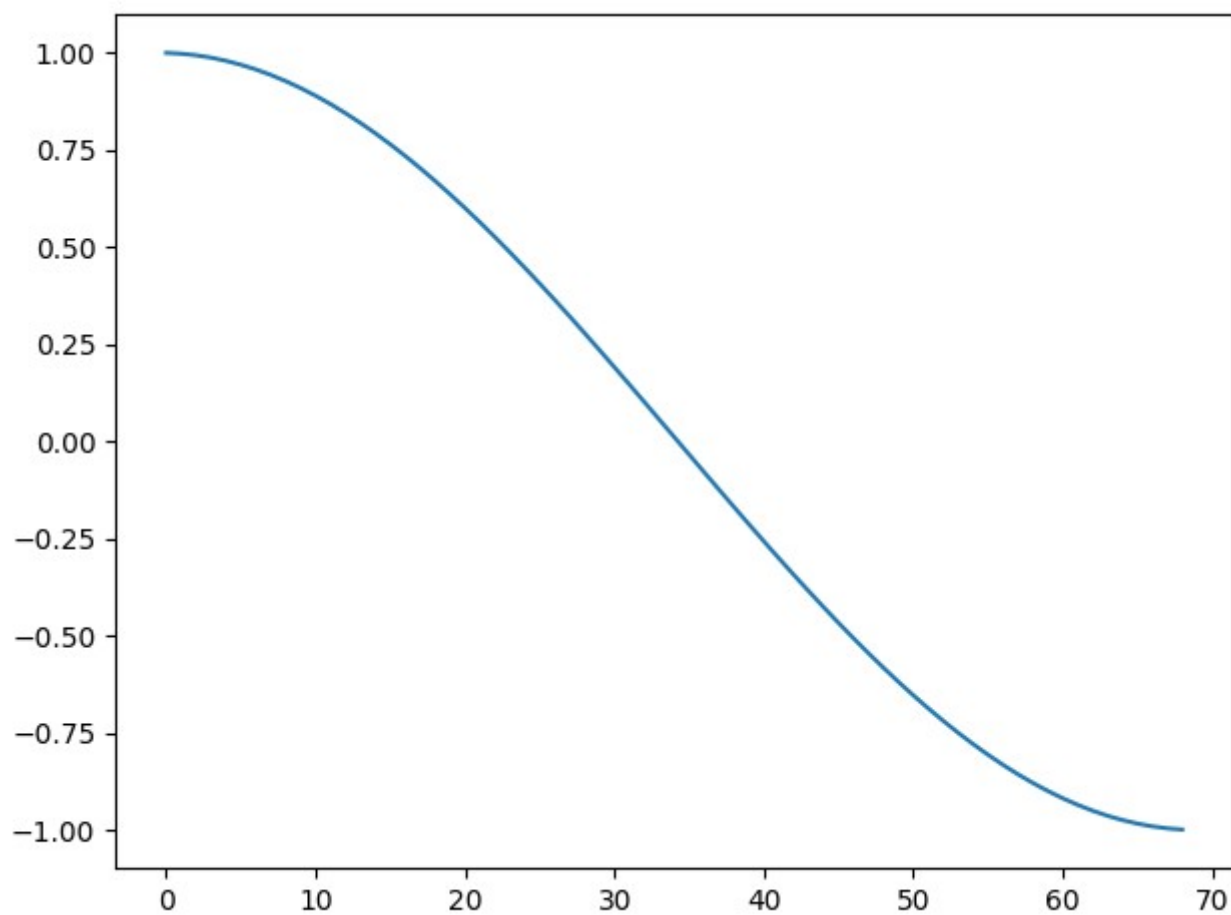
Tscheb. 2. Art for  $n = 30$



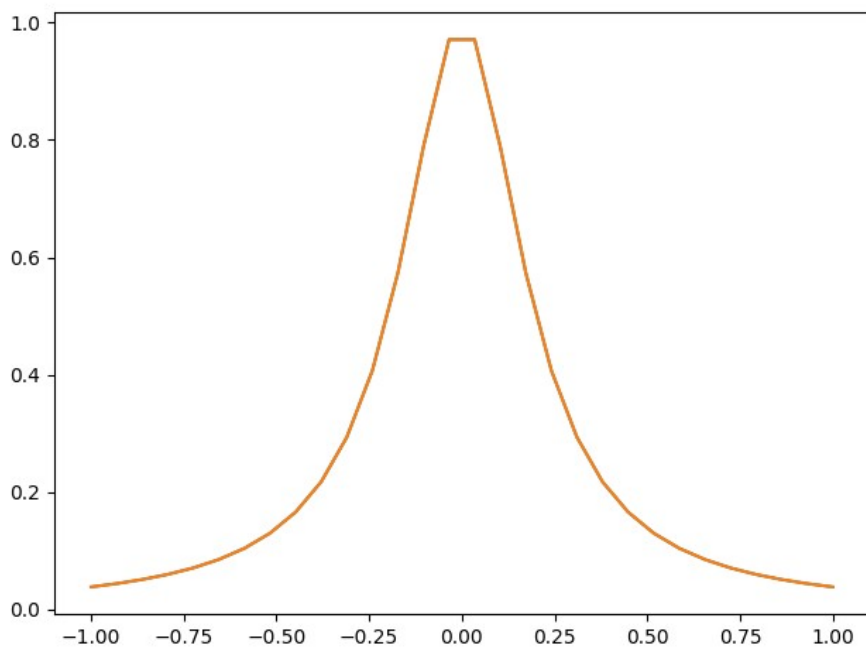
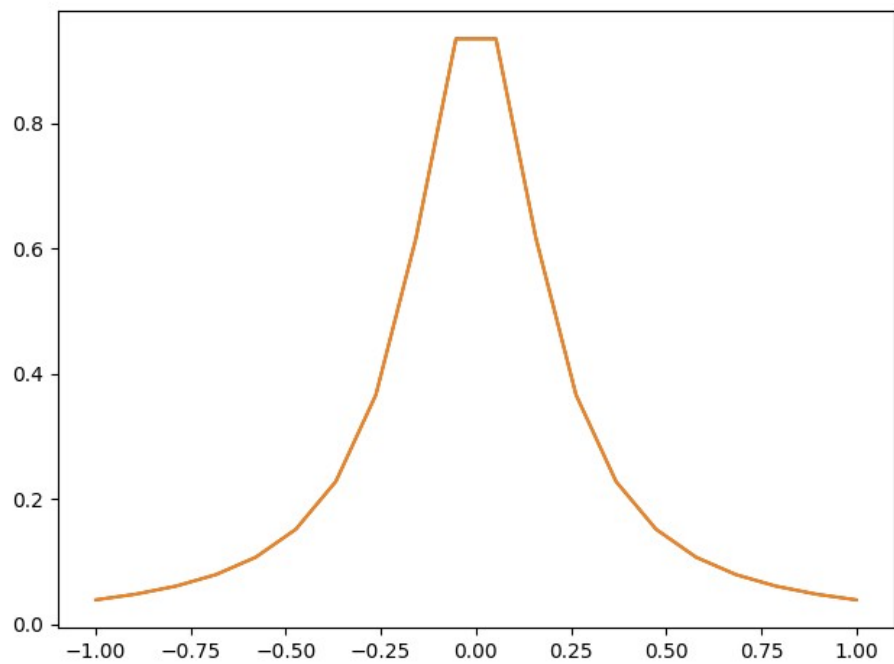
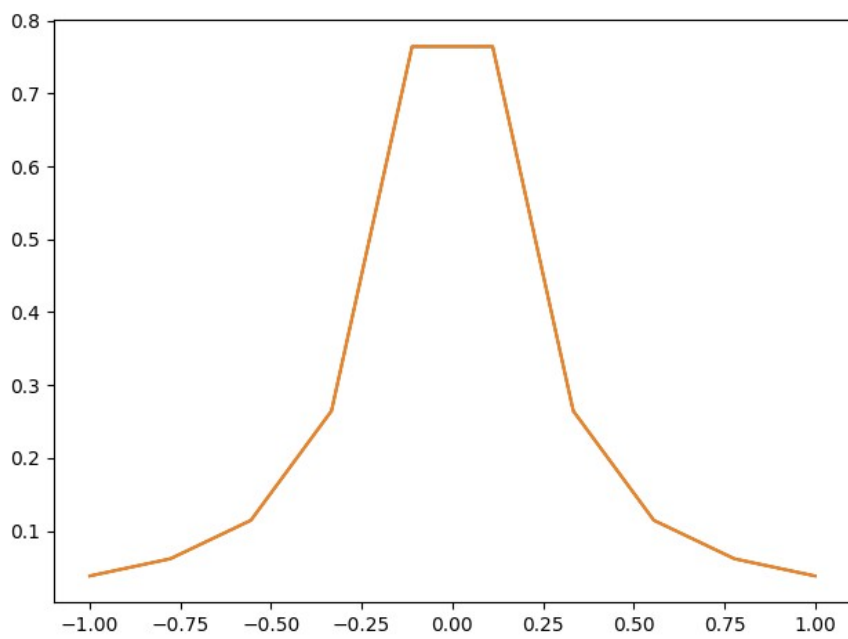
Numerische Instabilitat



## Berechnung des Interpolationspolynoms II: Die baryzentrische Darstellung



Lineare Splines



Natürliche kubische Splines

