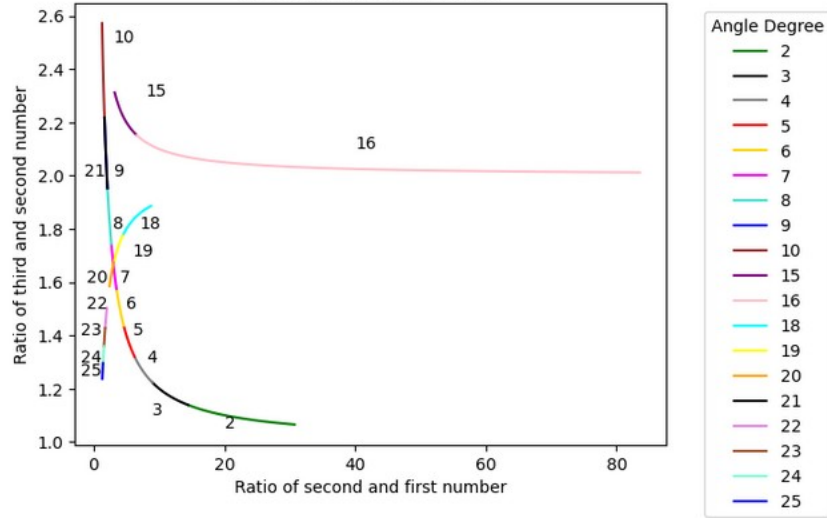
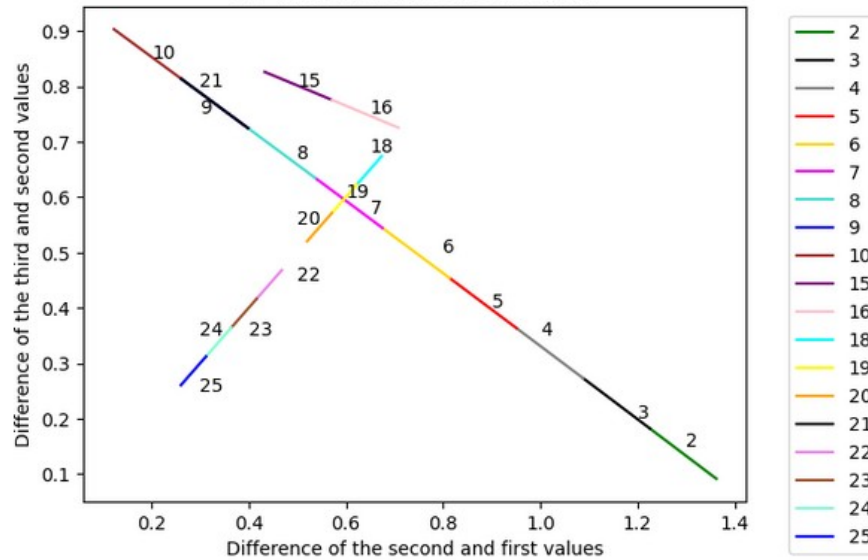


# 2D Histogramms

2D Plot Ratio of Simulation



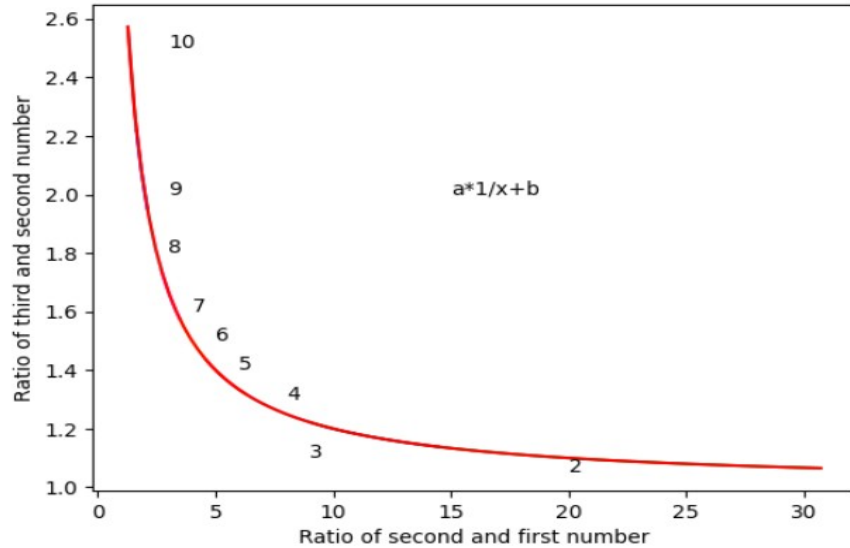
2D Plot Difference of Simulation



# Fit:2 to 10 degree

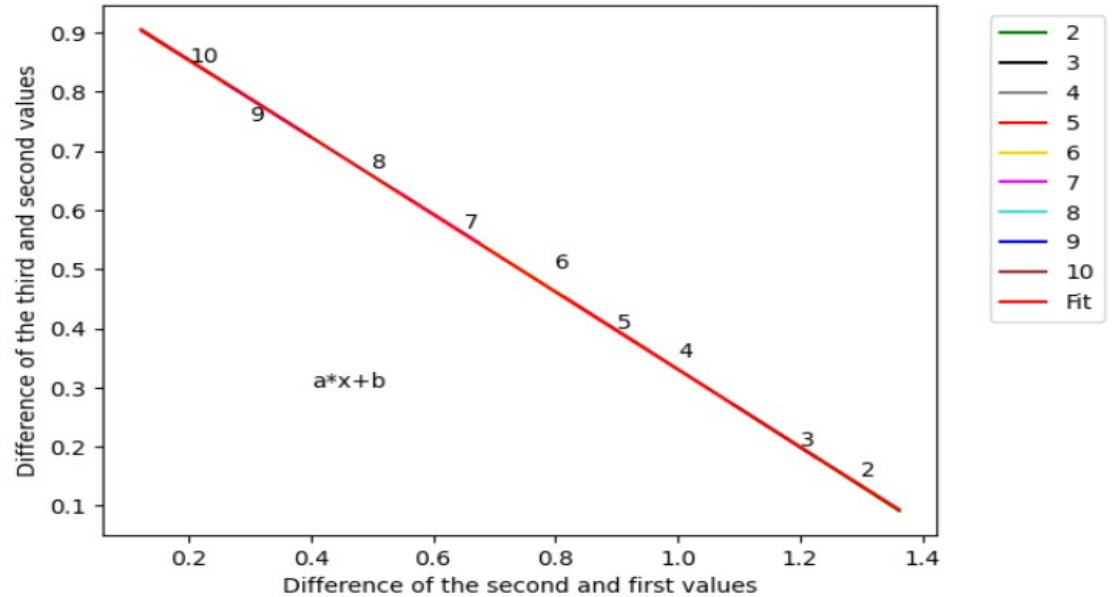
Angepasste Parameter: a = 2.0, b = 1.0

2D Plot Ratio of Simulation



Angepasste Parameter: a = -0.6545306328129723, b = 0.9853350881597183

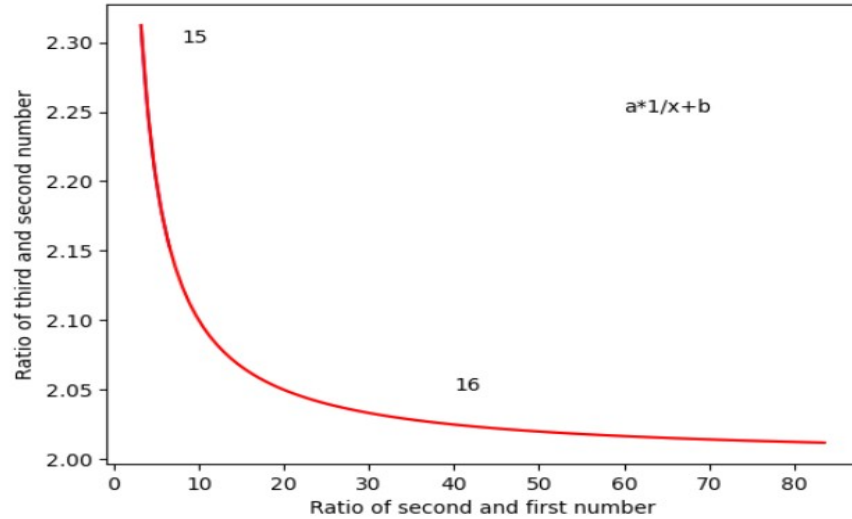
2D Plot Difference of Simulation



# Fit: 15 and 16 degree

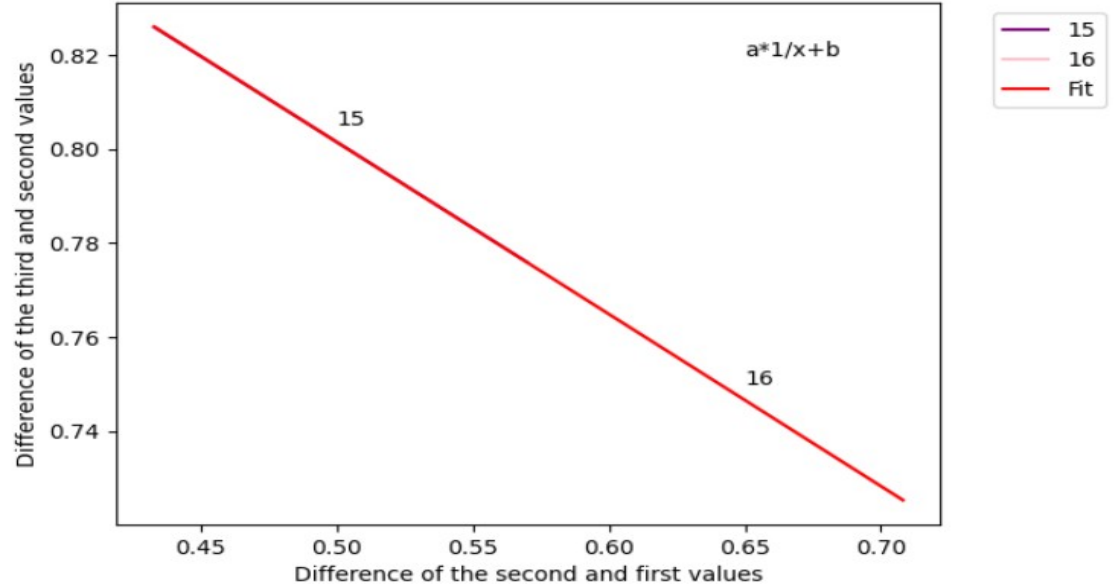
Angepasste Parameter: a = 1.0, b = 2.0

2D Plot Ratio of Simulation



Angepasste Parameter: a = -0.36601306282828944, b = 0.9845000184503307

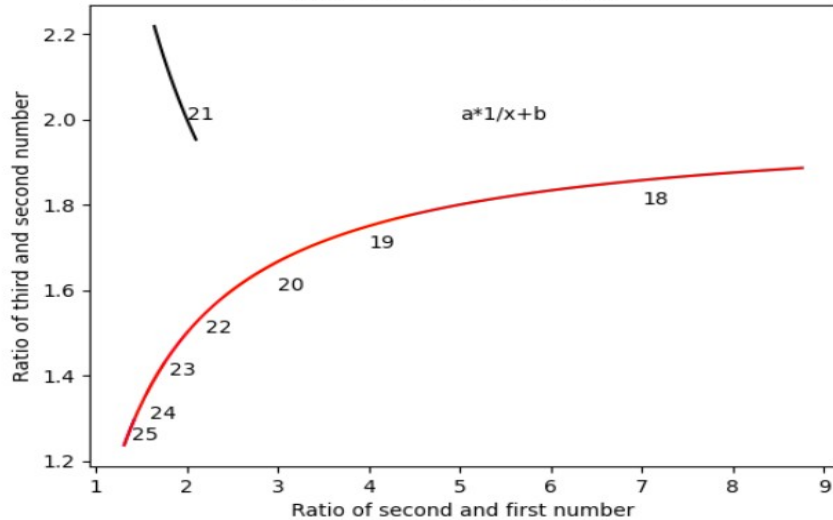
2D Plot Difference of Simulation



# Fit: 18 to 25 degree

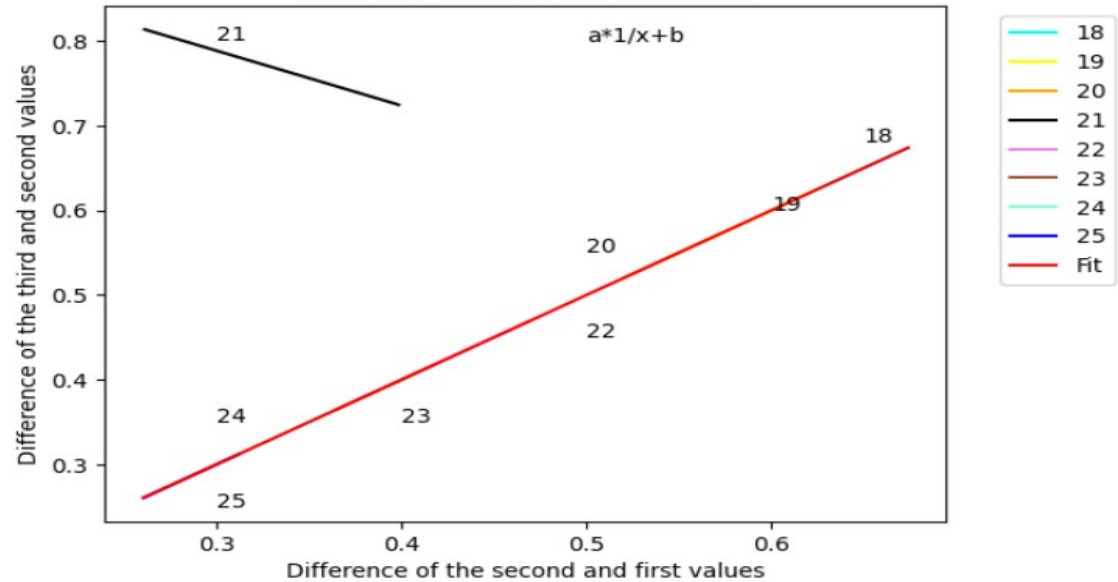
Angepasste Parameter:  $a = -1.0$ ,  $b = 2.0$

2D Plot Ratio of Simulation

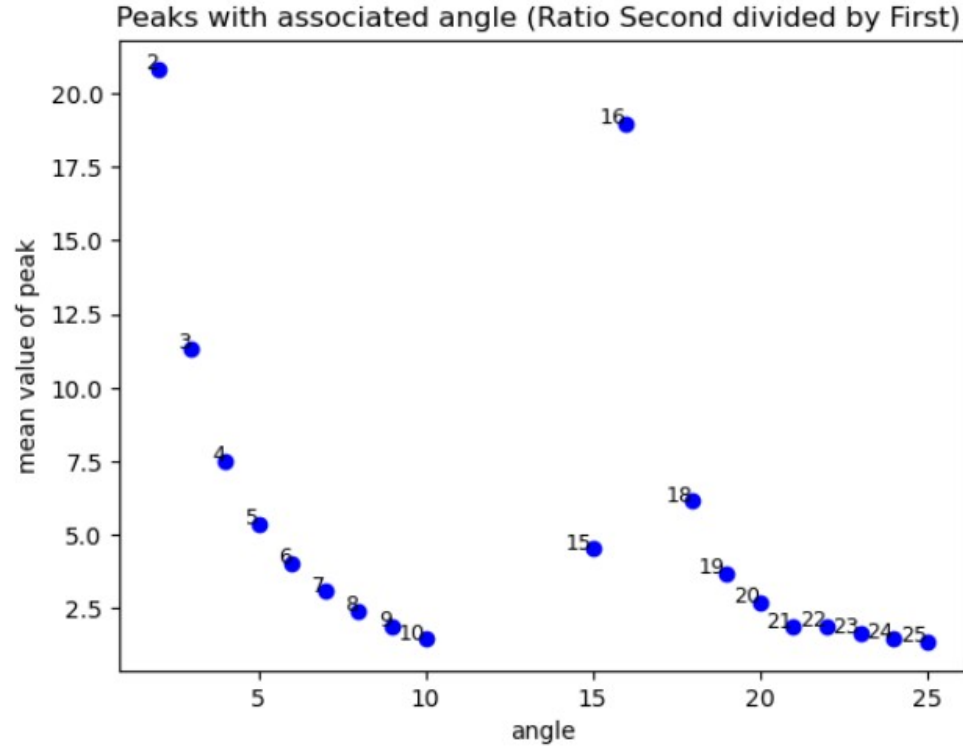


Angepasste Parameter:  $a = 1.0000000029264975$ ,  $b = -1.4604457643230262e-09$

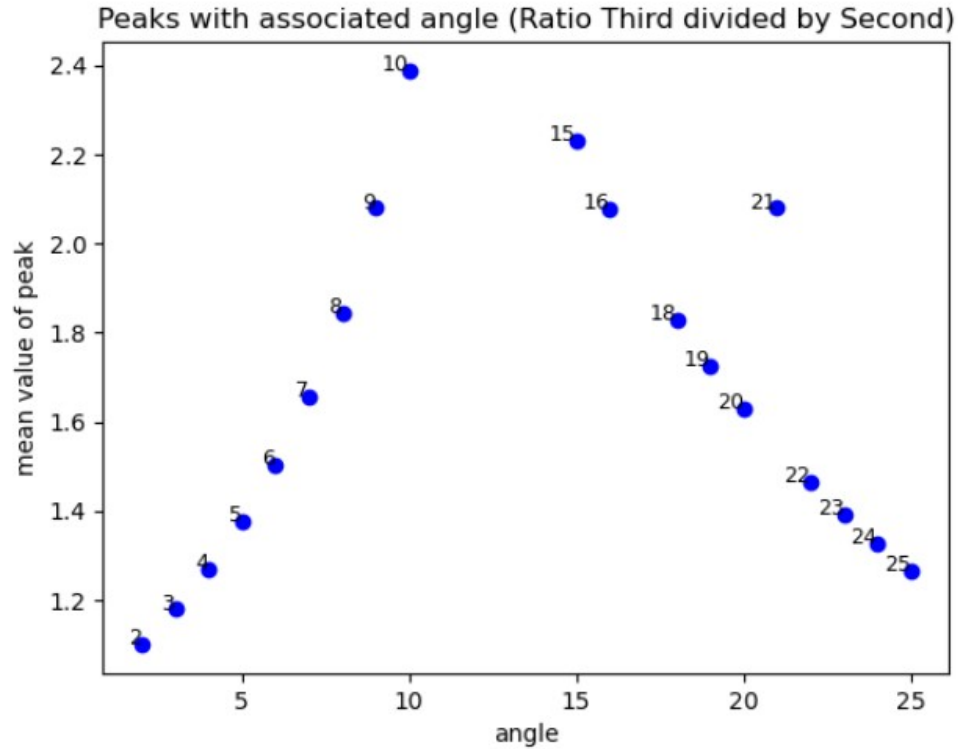
2D Plot Difference of Simulation



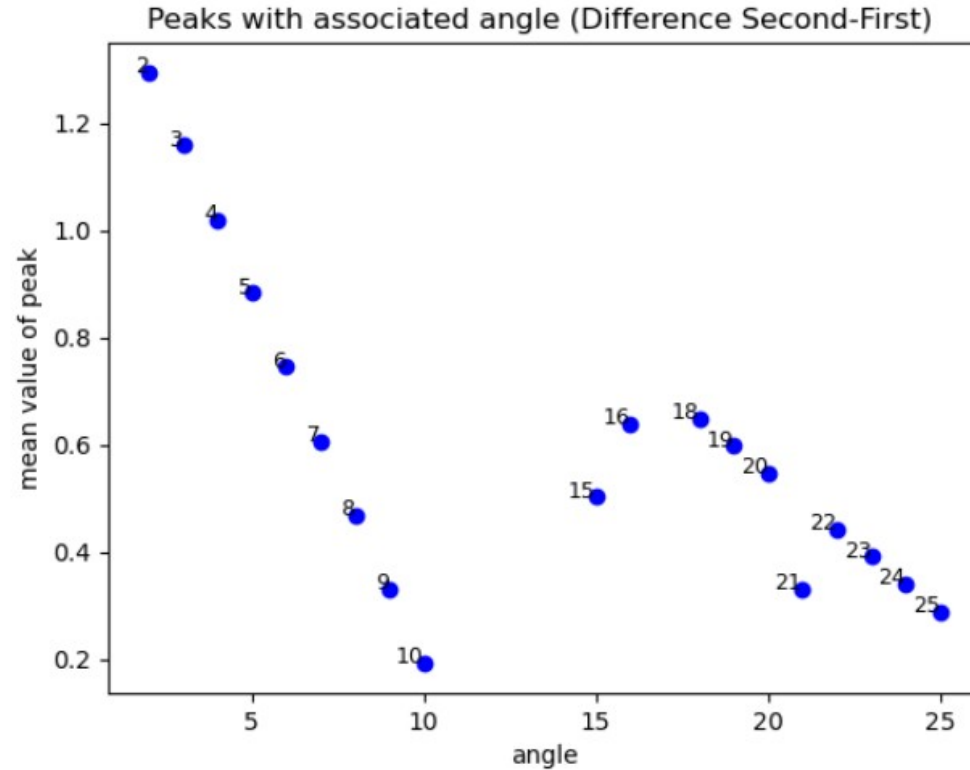
# Mean Values of Peak- Ratio (2nd-1st)



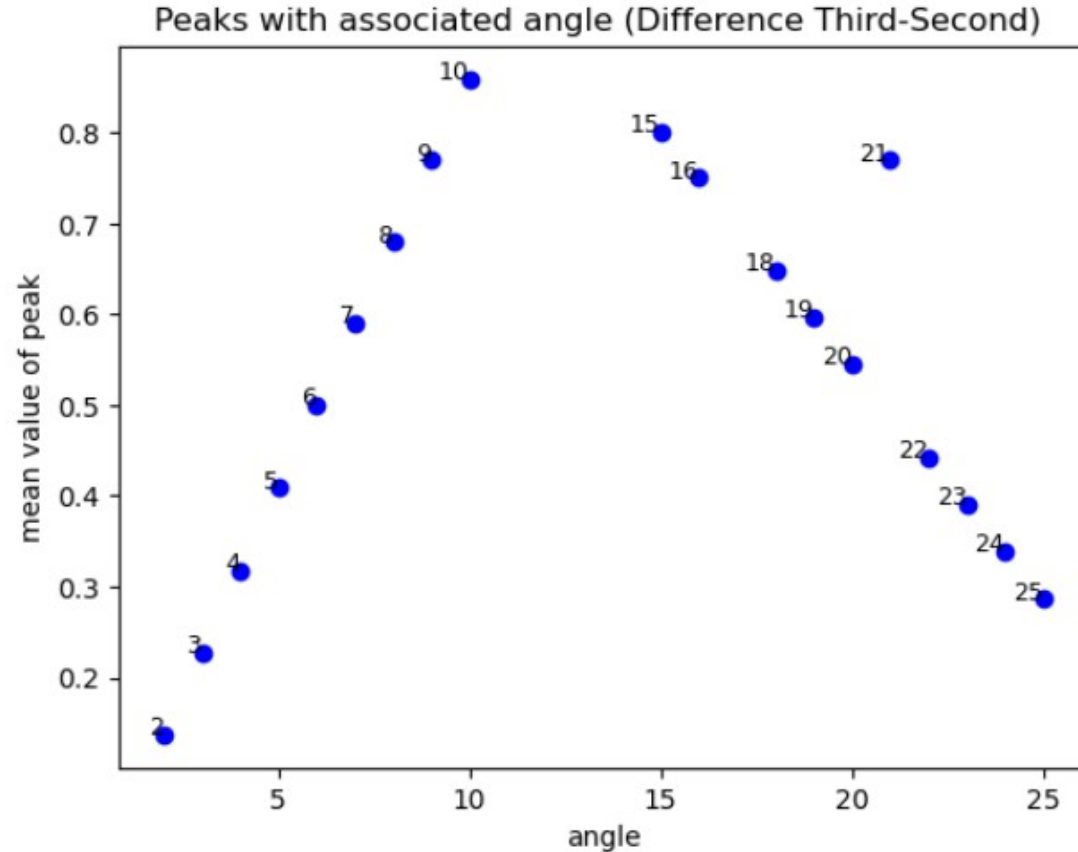
# Mean Values of Peak- Ratio (3rd-2nd)



# Mean Values of Peak- Difference (2nd-1st)



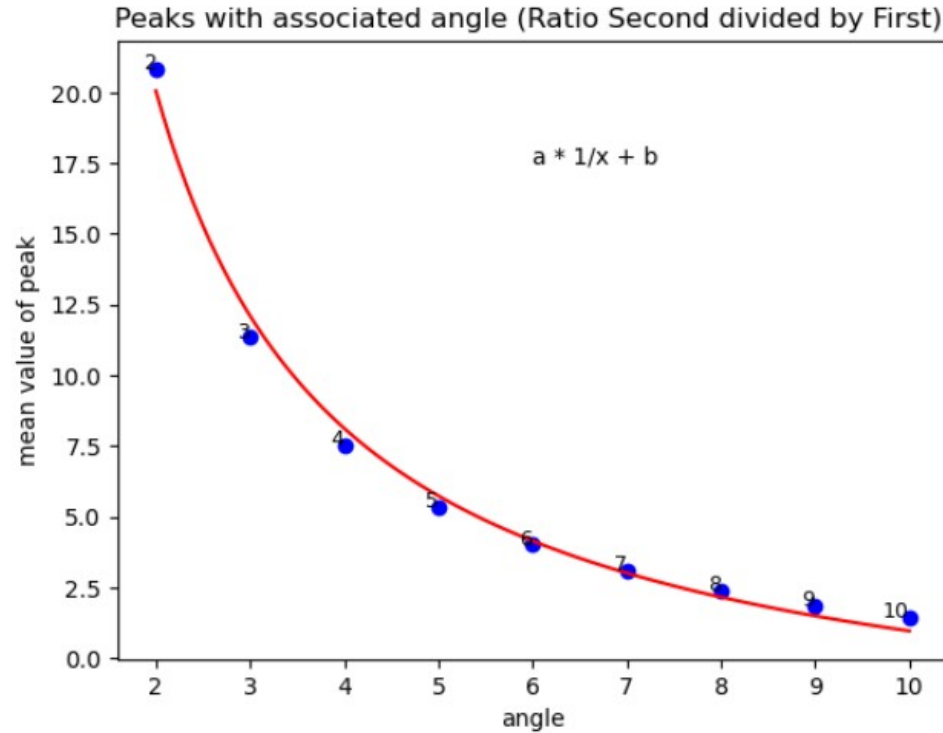
# Mean Values of Peak- Difference (3rd-2nd)





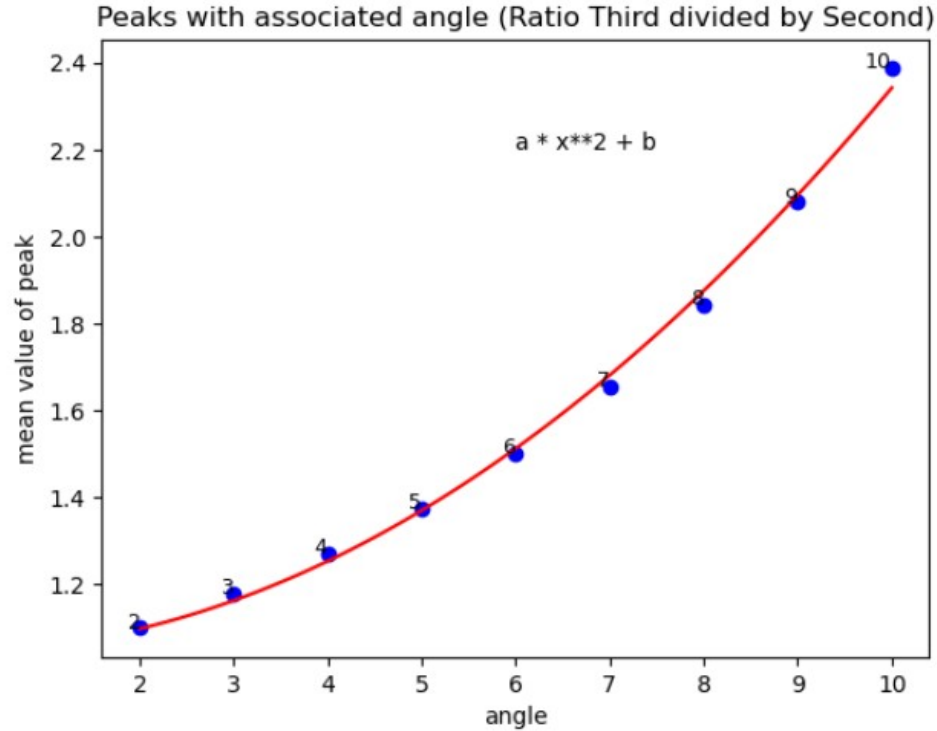
# Mean Values of Peak- Ratio Fit (2nd-1st)

Angepasste Parameter:  $a = 47.73180763819205$ ,  $b = -3.805855892830967$



# Mean Values of Peak- Ratio Fit (3rd-2nd)

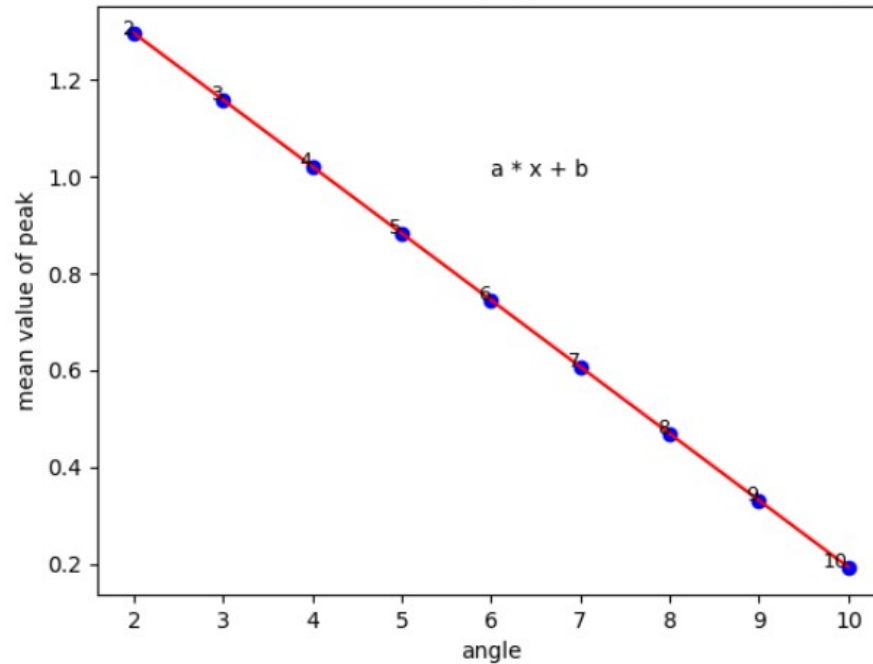
Angepasste Parameter:  $a = 0.01295605883478619$ ,  $b = 1.0465655015276816$



# Mean Values of Peak- Difference Fit (2nd-1st)

Angepasste Parameter:  $a = -0.137911450227698$ ,  $b = 1.5716639423659062$

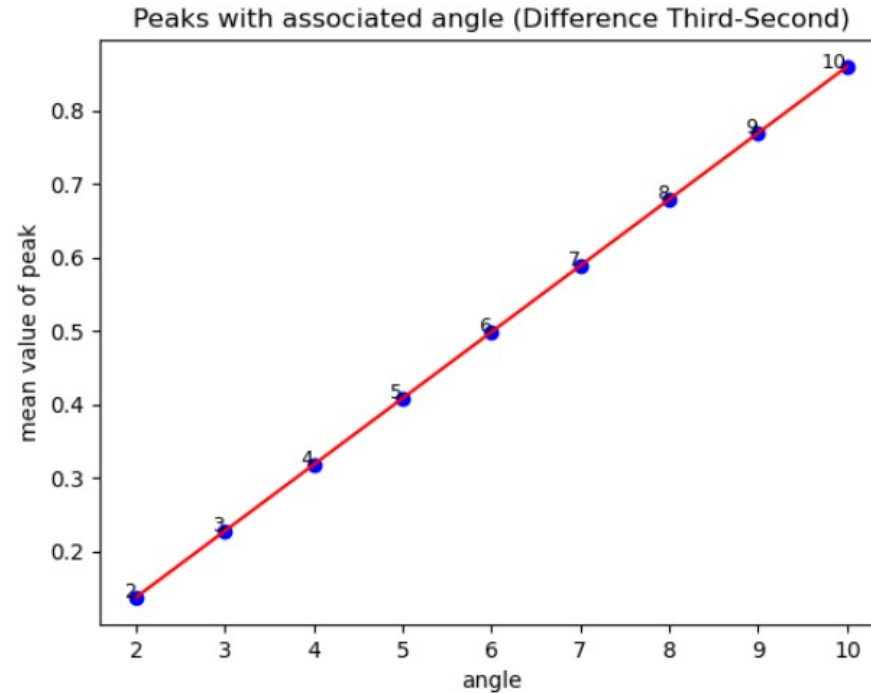
Peaks with associated angle (Difference Second-First)



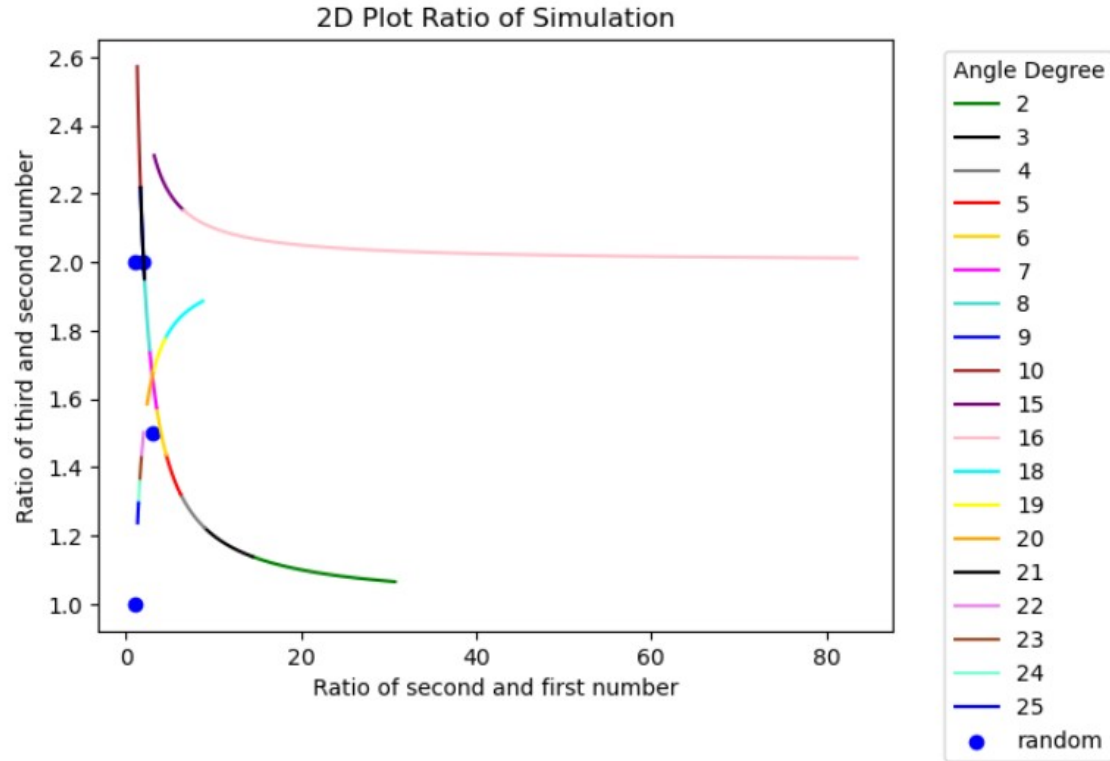
# Mean Values of Peak- Difference Fit (3rd-2nd)

Angepasste Parameter:  $a = 0.09031312655124024$ ,  $b = -0.043291329160197956$

$$a * x + b$$



# Simulating “Noise” by random numbers



# Simulating “Noise” by random numbers

