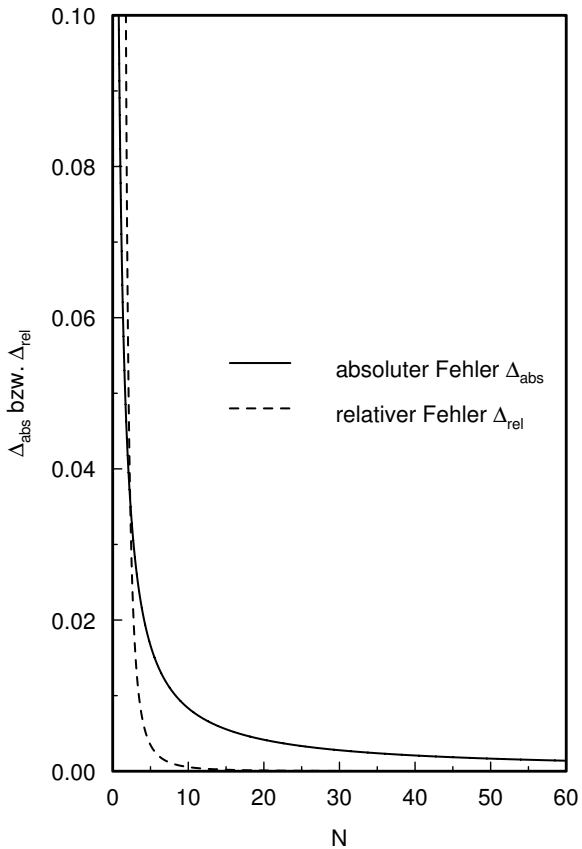


$$\ln(N!) \approx N \ln(N) - N + \ln(\sqrt{2\pi N})$$



$$\ln(N!) \approx N \ln(N) - N$$

