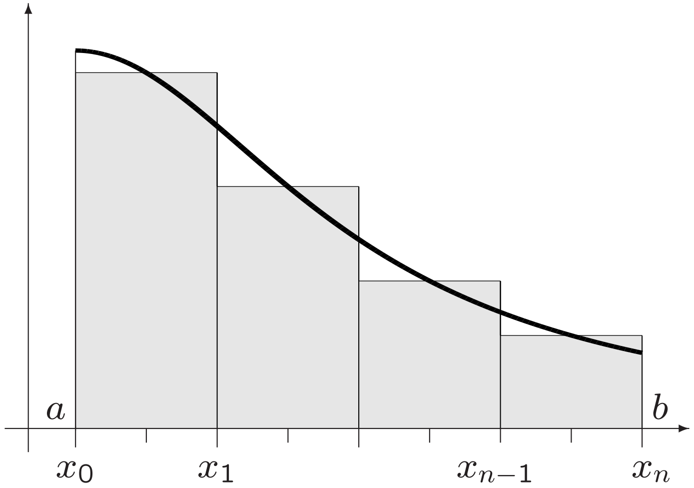
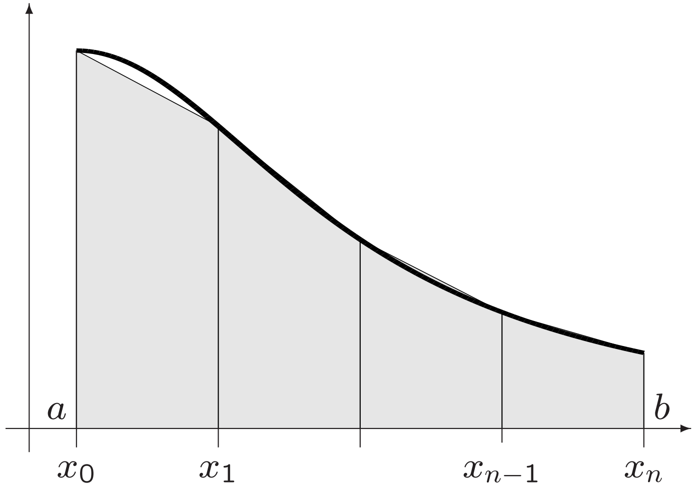
Summierte Quadraturformeln





summierte Mittelpunktsregel $\qquad h = \dfrac{b-a}{n} \qquad$ summierte Trapezregel

$$\int_a^b w(x)\,dx \approx h \sum_{i=1}^{n} w\Big(\frac{x_{i-1}+x_i}{2}\Big)$$

$$\int_a^b w(x)\,dx \approx \frac{h}{2} \sum_{i=1}^{n} \big(w(x_{i-1}) + w(x_i)\big)$$