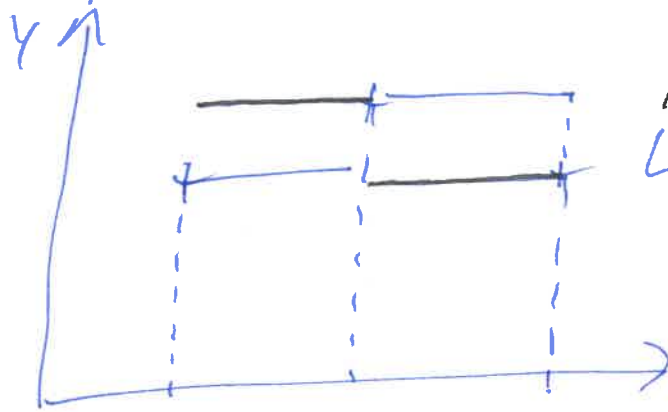
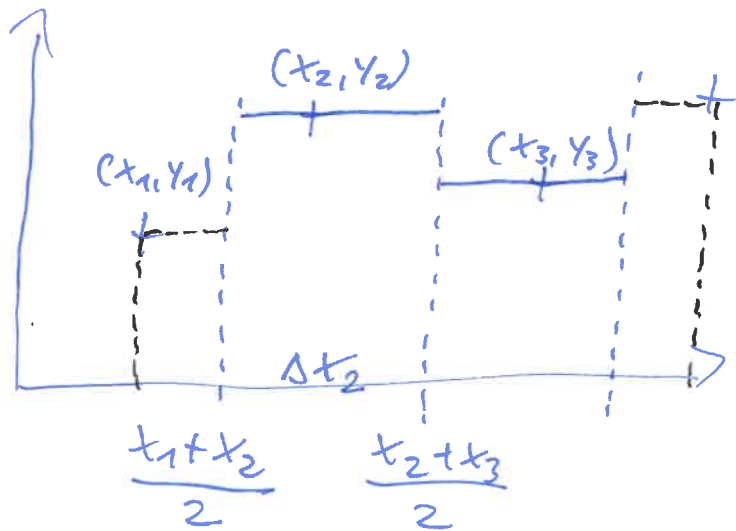


Numerical Integration (Quadrature)

Compare different methods



Right point Riemann sum
Left point " "



Stripes are defined in a new way:
distance $x_{i+1} - x_i$
equally attributed
to x_i and x_{i+1}

$$\Delta x_2 = \frac{x_2 + x_3}{2} - \frac{x_1 + x_2}{2} = \frac{x_3 - x_1}{2}$$

$$\Delta x_i = \frac{1}{2} (x_{i+1} - x_{i-1})$$

↳ special treatment for points on boundaries