$_f assregel_f unktion.pngKeplerscheFassregel[?]$
f
$I =$
$[a, b]$

$$A_{Trapez} = \frac{a+c}{2} \cdot h = m \cdot h$$

$$S = \frac{b-a}{2} \cdot \left(\frac{f(a)}{2} + f\left(\frac{a+b}{2}\right) + \frac{f(b)}{2} \right)$$

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$$T = f\left(\frac{a+b}{2}\right) \cdot (b-a)$$

$I[f]$

$$I[f] \approx A = \frac{1}{3} \cdot (2S+T)$$

$$A = \frac{b-a}{6} \cdot \left(f(a) + 4 \cdot f\left(\frac{a+b}{2}\right) + f(b) \right)$$

f
$I =$
$[a, b]$

$$I[f] \approx A = \frac{b-a}{6} \cdot \left(f(a) + 4 \cdot f\left(\frac{a+b}{2}\right) + f(b) \right)$$

$[a, b]$