

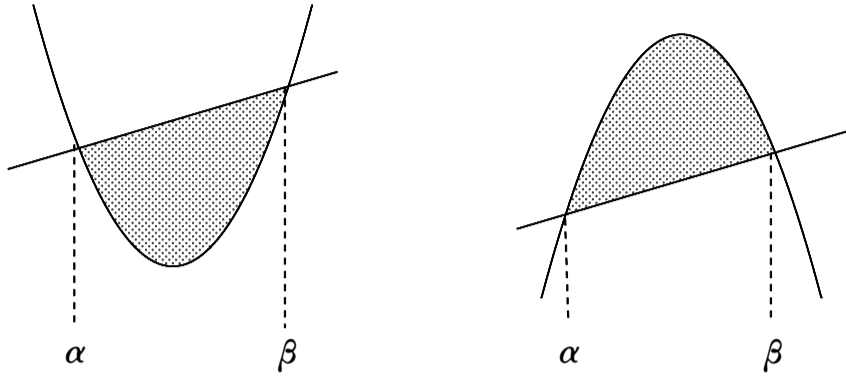
面積 (公式)

$\frac{1}{6}$  公式

放物線と直線

$$S = \frac{|a|}{6}(\beta - \alpha)^3$$

$$y = ax^2 + \dots$$

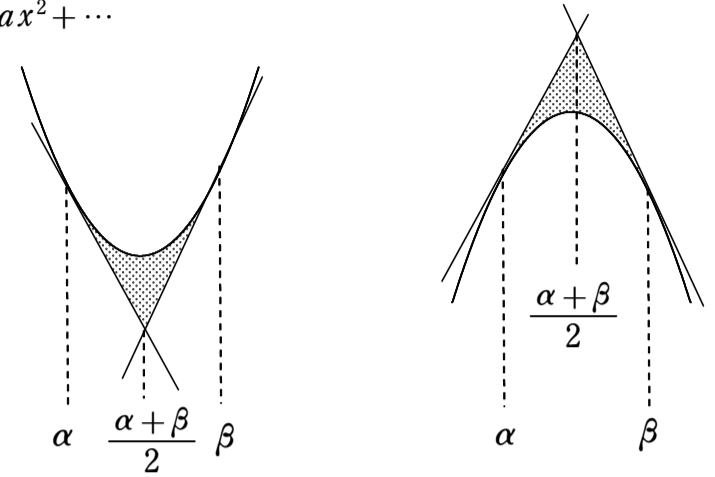


$\frac{1}{12}$  公式①

放物線と2本の接線

$$S = \frac{|a|}{12}(\beta - \alpha)^3$$

$$y = ax^2 + \dots$$



放物線と放物線

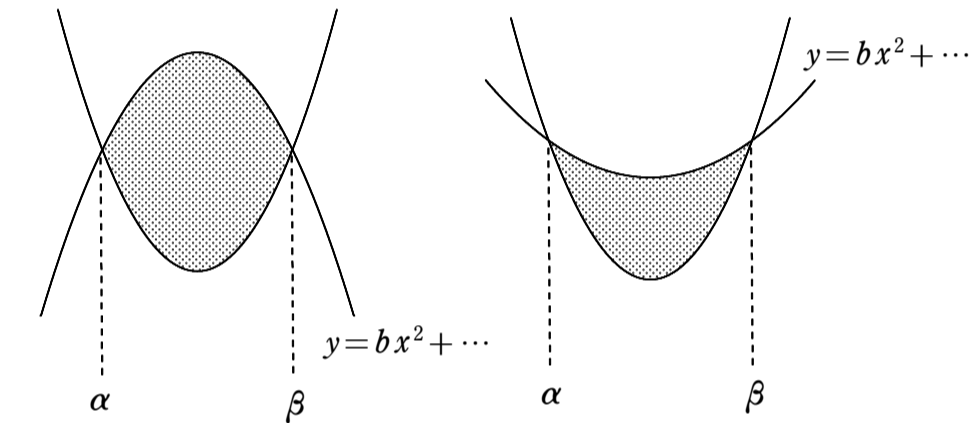
$$S = \frac{|b-a|}{6}(\beta - \alpha)^3$$

$$y = ax^2 + \dots$$

$$y = ax^2 + \dots$$

$$y = bx^2 + \dots$$

$$y = bx^2 + \dots$$

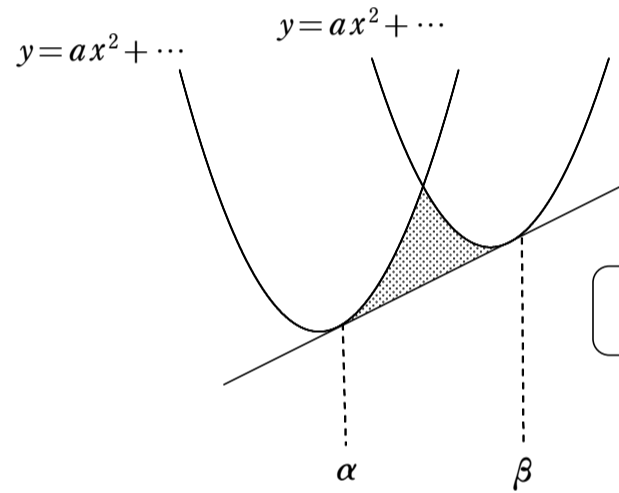


2つの放物線と共通接線

$$S = \frac{|a|}{12}(\beta - \alpha)^3$$

$$y = ax^2 + \dots$$

$$y = ax^2 + \dots$$

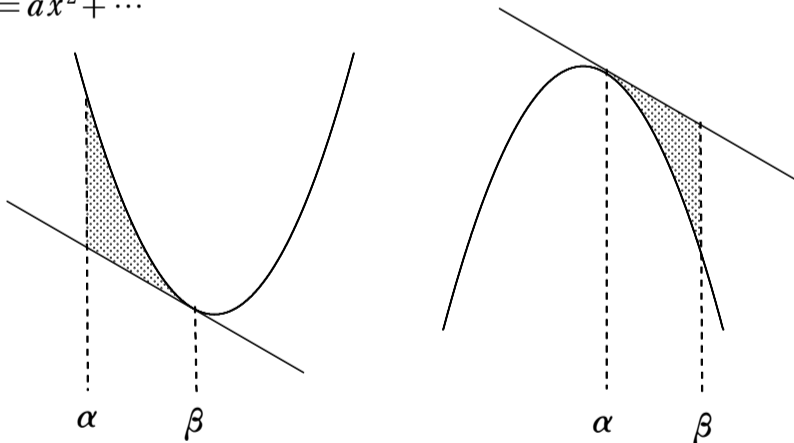


$\frac{1}{3}$  公式

放物線と接線

$$S = \frac{|a|}{3}(\beta - \alpha)^3$$

$$y = ax^2 + \dots$$



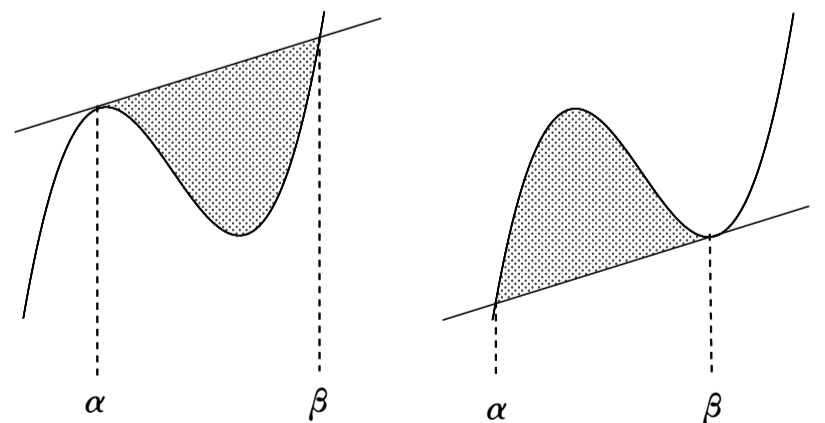
$\frac{1}{12}$  公式②

3次関数と接線

$$S = \frac{|a|}{12}(\beta - \alpha)^4$$

4乗に注意

$$y = ax^3 + \dots$$



接する2つの放物線

$$S = \frac{|b-a|}{3}(\beta - \alpha)^3$$

$$y = bx^2 + \dots$$

$$y = bx^2 + \dots$$

$$y = ax^2 + \dots$$

$$y = ax^2 + \dots$$

