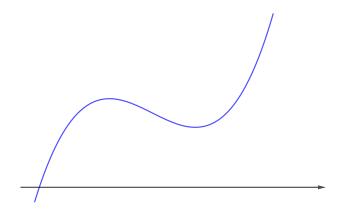
정적분 (Definite Integrals)



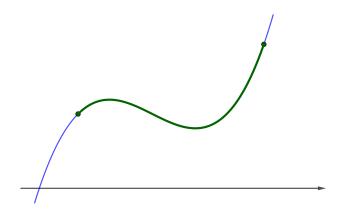




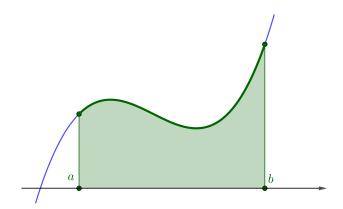




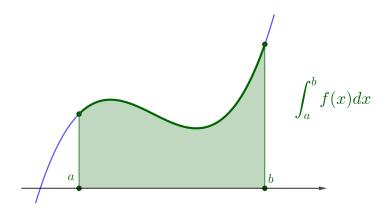




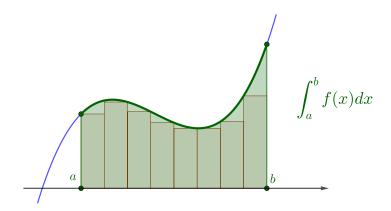




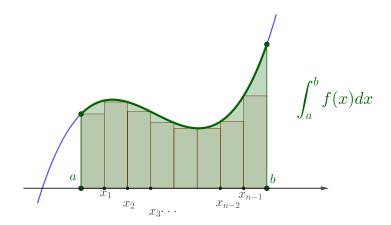


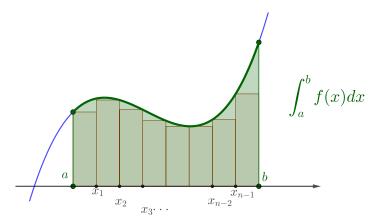




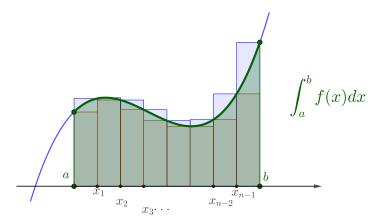




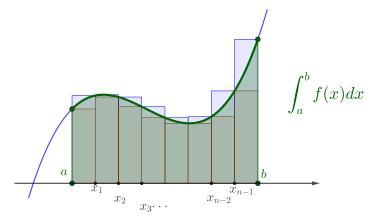




$$\sum_{k=1}^{n} \Bigl\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \Bigr\}$$

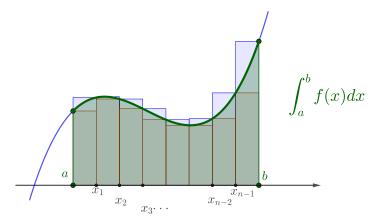


$$\sum_{k=1}^{n} \Bigl\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \Bigr\}$$

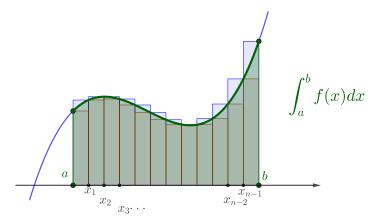


$$\sum_{k=1}^{n} \Bigl\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \Bigr\}$$

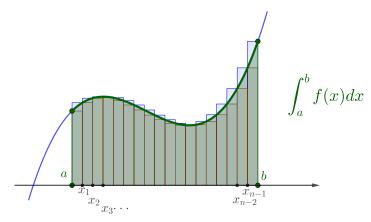
$$\sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \max_{x \in [x_{k-1}, x_k]} f(x) \right\}$$



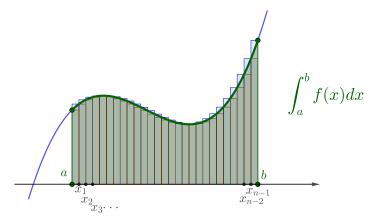
$$\sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \right\} \leq \sum_{k=1}^{n} (x_k - x_{k-1}) f(x_k) \leq \sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \max_{x \in [x_{k-1}, x_k]} f(x) \right\}$$



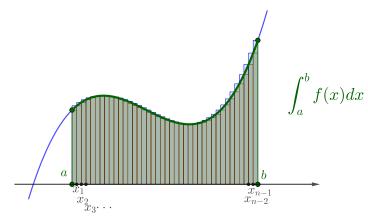
$$\sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \right\} \leq \sum_{k=1}^{n} (x_k - x_{k-1}) f(x_k) \leq \sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \max_{x \in [x_{k-1}, x_k]} f(x) \right\}$$



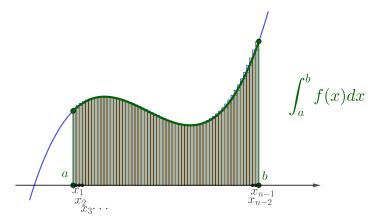
$$\sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \right\} \leq \sum_{k=1}^{n} (x_k - x_{k-1}) f(x_k) \leq \sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \max_{x \in [x_{k-1}, x_k]} f(x) \right\}$$



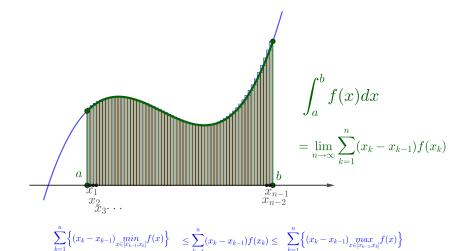
$$\sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \right\} \leq \sum_{k=1}^{n} (x_k - x_{k-1}) f(x_k) \leq \sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \max_{x \in [x_{k-1}, x_k]} f(x) \right\}$$



$$\sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \right\} \leq \sum_{k=1}^{n} (x_k - x_{k-1}) f(x_k) \leq \sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \max_{x \in [x_{k-1}, x_k]} f(x) \right\}$$



$$\sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \min_{x \in [x_{k-1}, x_k]} f(x) \right\} \leq \sum_{k=1}^{n} (x_k - x_{k-1}) f(x_k) \leq \sum_{k=1}^{n} \left\{ (x_k - x_{k-1}) \max_{x \in [x_{k-1}, x_k]} f(x) \right\}$$



Github:

https://min7014.github.io/math20240504001.html

Click or paste URL into the URL search bar, and you can see a picture moving.