- $M_i^f = \sup \{f(x) \,|\, x \in [x_{i-1}, x_i]\}$
- $m_i^f = \text{ínf} \{f(x) \,|\, x \in [x_{i-1}, x_i]\}$
- $U(P, f, \alpha) = \sum_{i=1}^{n} M_i^f \, \Delta\alpha_i$
- $L(P, f, \alpha) = \sum_{i=1}^{n} m_i^f \, \Delta\alpha_i$
- $\underline{\int}_a^b f \, \mathrm{d}\alpha = \sup \{L(P, f, \alpha) | P \text{ partición}\}$
- $\overline{\int}_a^b f \, \mathrm{d}\alpha = \text{ínf} \{U(P, f, \alpha) | P \text{ partición}\}$