

데이터구조와컴퓨팅 15주차

□한준희

적분 (Integration)

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적분 (Integration)

$$y = \chi$$

$$\chi = \chi$$

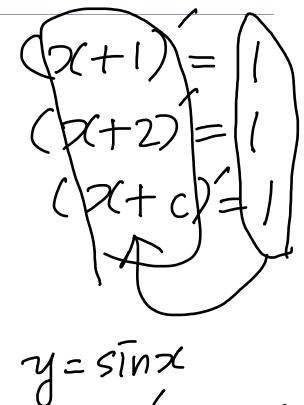
$$\chi + C$$

$$\chi = \chi^{2}$$

$$\chi^{2}$$

$$\chi = \chi^{2}$$

$$\chi^{2}$$

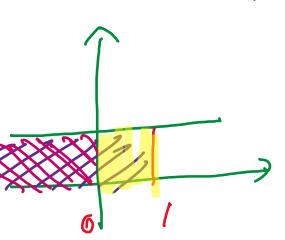


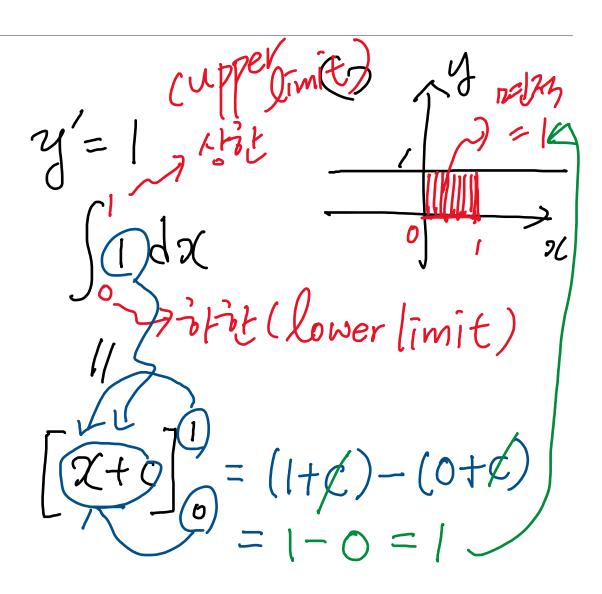
$$\int 200 \, dx$$
 $\sin x + c = \int \cos x \, dx$



적분 (Integration) 7/27 12/3 5x 2dx

성적분 (Integration)





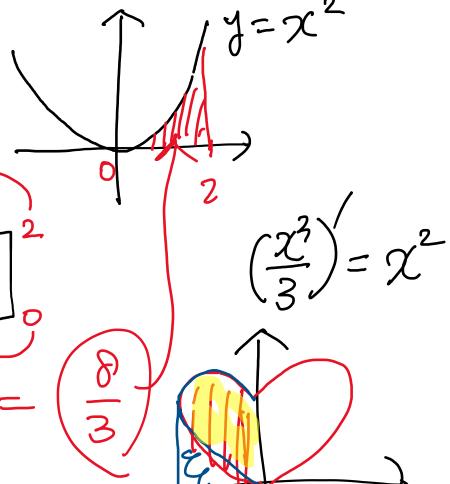


정적분 (Integration)

$$y = x^2$$

$$\int_{0}^{2} \chi^{2} d\chi = \left[\frac{\chi^{3}}{3} \right]_{0}^{2}$$

$$=\frac{8}{3}-0=$$





$$\int_{0}^{2} e^{x} dx = \left[e^{x}\right]_{0}^{2} = e^{2} - e^{0} = e^{2} - 1$$

$$\int_{-\infty}^{0} e^{x} dx = \left[e^{x}\right]_{-\infty}^{0} = \left[e^{0} - e^{0}\right]_{-\infty}^{\infty} = 1 - 0$$

$$= \left[2 \log x \right]_{0}^{2} - \left[x \log x - x\right]_{0}^{2} = 1$$

$$= 2 \log 2 - 1$$

$$= 2 \log 2 - 1$$

$$= 2 \log 2 + 1$$

$$= 2 \log 2 - 1$$



한 학기 동안 수고 많았습니다!