

Integrals, Sums and Limits

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1 Integrals

Integral $\int_a^b x^2 dx$ inside text.

The same integral on display:

$$\int_a^b x^2 dx$$

and multiple integrals:

$$\begin{aligned} & \iint_V \mu(u, v) du dv \\ & \iiint_V \mu(u, v, w) du dv dw \\ & \iiint_V \mu(t, u, v, w) dt du dv dw \\ & \int \cdots \int_V \mu(u_1, \dots, u_k) du_1 \dots du_k \\ & \oint_V f(s) ds \end{aligned}$$

2 Sums and products

Sum $\sum_{n=1}^{\infty} 2^{-n} = 1$ inside text.

The same sum on display:

$$\sum_{n=1}^{\infty} 2^{-n} = 1$$

Product $\prod_{i=a}^b f(i)$ inside text.

The same product on display:

$$\prod_{i=a}^b f(i)$$

3 Limits

Limit $\lim_{x \rightarrow \infty} f(x)$ inside text.

The same limit on display:

$$\lim_{x \rightarrow \infty} f(x)$$