

Other

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November 2024

1 Differentials

$$d(f(x)) = f'(x)dx$$

$$\int f'(x)g(x)dx = \int g(x)f'(x)dx = \int g(x)d(f(x))$$

$$\int u dv = uv - \int v du$$

$$v(x), u(x)$$

$$\int uv' dx = uv - \int vu' dx$$