

integration by parts

boundary integral term term

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We write the rule for integration by parts as $\int u \frac{dv}{dx} dx = uv - \int v \frac{du}{dx} dx$ boundary integral term term

- Given an integral whose integrand is the product of two functions, we choose one to be u and the other to be v', from which we can calculate u' and v
- Plugging into the above equation (hopefully) leads to an easier integration

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