Note that SymPy does not include the constant of integration. If you want it, can add one yourself, or rephrase your problem as a differential equation and use dsolveto solve it, which does add the constant

To compute a definite integral, pass the argument (integration\_variable,lower\_limit, upper\_limit). For example, to compute

∫∞0e−xdx,

As with indefinite integrals, you can pass multiple limit tuples to perform a multiple integral. For example, to compute

∫∞−∞∫∞−∞e−x2−y2dxdy,