数学二必背小知识.md 10/14/2020

定积分

T函数

 $T(a) = \inf_{0}^{+ \inf y} x^{(a - 1)}e^{-x} dx$

性质

- 1. T(a + 1) = aT(a)
- 2. T(n + 1) = n!
- 3. $T(\frac{1}{2}) = \sqrt{2}{\pi}$

例子

 $\int_{0}^{+\inf}e^{5}e^{-x}dx$

为\$T(6)\$