



## Advent of Mathematical Symbols

Beta function:  $B(x, y) := \int_0^1 t^{x-1} (1-t)^{y-1} dt$

$$B(x, y) = \frac{\Gamma(x) \cdot \Gamma(y)}{\Gamma(x+y)}$$

$$x, y \in \mathbb{C},$$

$$\operatorname{Re}(x) > 0, \operatorname{Re}(y) > 0$$