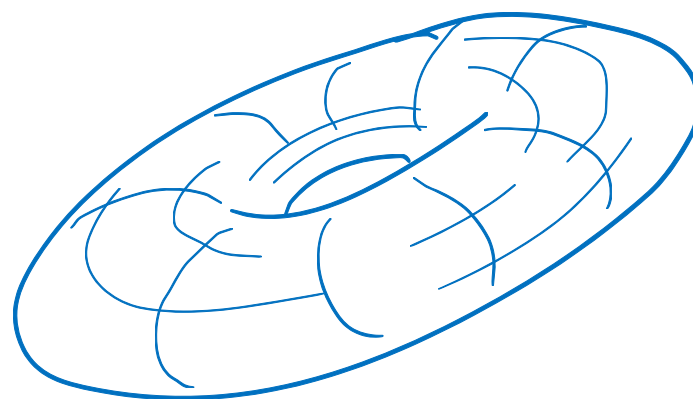


π

and

elliptic
curves



$$e^{\pi \cdot \sqrt{163}} = 262537412640768743. \underbrace{999999999999}_{12 \text{ nines!}} 2500725 \dots$$



Theorem (Gelfond-Schneider, 1934)

If a, b are algebraic numbers with $a \neq 0, 1$ and b irrational, then any value of a^b is a transcendental number.

