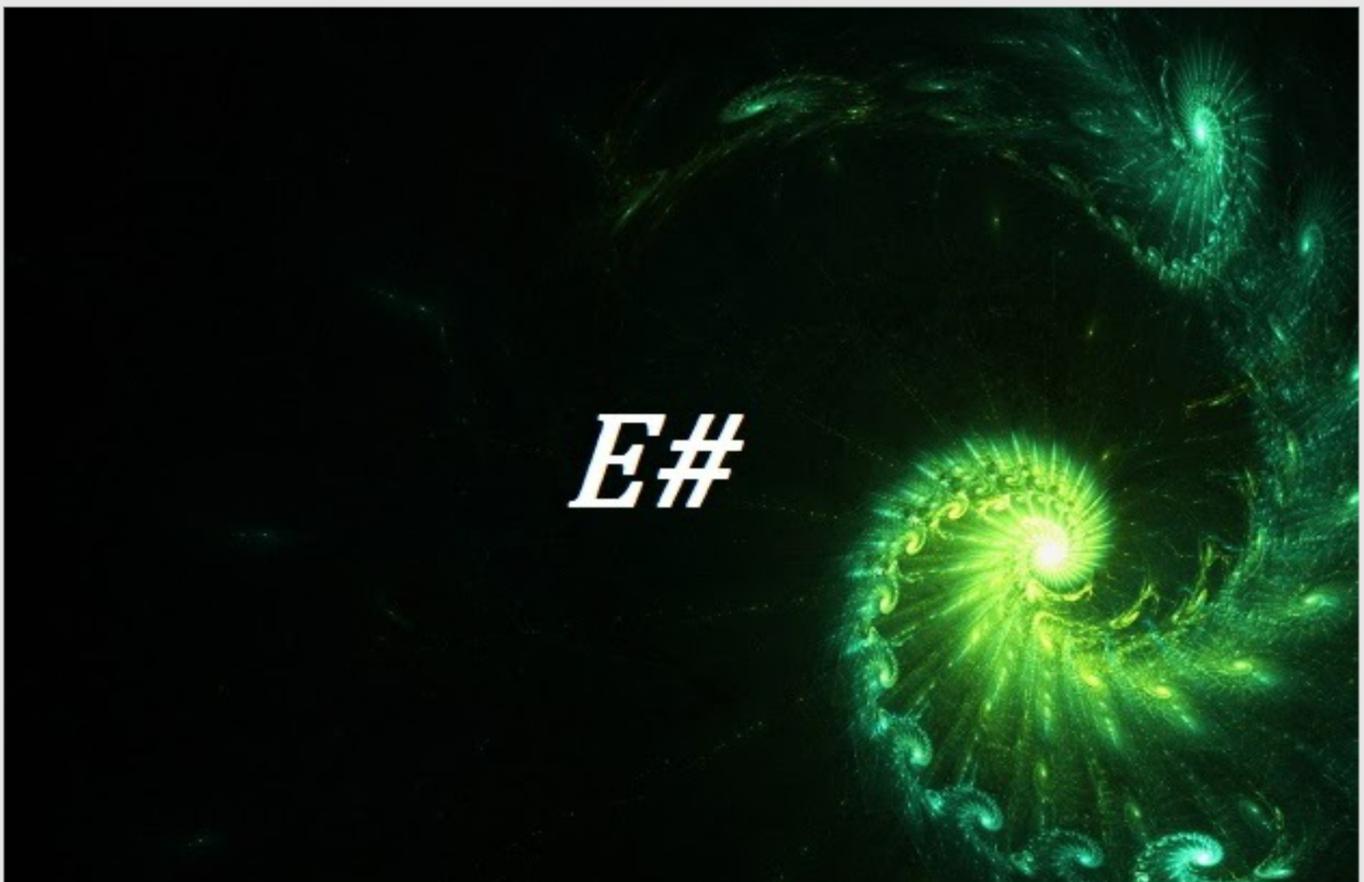


HYPER E FOR DUMMIES

Hyper E Notation is Notation from Sbiis Saibian... I think everyone knows this, so I'll move on to the rules! (or rather, I'll tell you everything you need to understand).

*HERE I WILL TALK ABOUT THE OG
VERSION OF HYPER E! I WILL RELEASE A
SEPARATE PDF ABOUT THE EXTENDED
VERSION AND THE CASCADE VERSION*



$$Ea = 10^a = E[10]a$$

$$E[b]n = 10^n$$

$$(E10 = 10^{10})$$

$$E100 = 10^{100}$$

$$E(E100) = E(10^{100}) = 10^{10^{100}} = EE100$$

$$E[3]3 = 3^3$$

$$E[2]3 = 2^3$$

$Ea\#b$ (there's already a hash mark or a sharp here)

$$Ea\#b = EEE\dots Ea \text{ (b times E copy)}$$

$$Ea\#2 = EEa = 10^{10^a}$$

$$Ea\#3 = EEEa = 10^{10^{10^a}}$$

$$Ea\#n = 10^{10^{10^{\dots^{10^a}}} \text{ (n times 10)}}$$

$$(E100\#2 = EE100 = 10^{10^{100}})$$

$$E2\#5 = EEEEE2 = 10^{10^{10^{10^{10^2}}}}$$

$$E5\#5 = EEEEE5)$$

$Ea\#b\#c$ (yeah, tri sharp)

$$E_{a\#b\#c} = E_{a\#(E_{a\#b\#c-1})}$$

$$E_{a\#b\#c\#d} = E_{a\#b\#(E_{a\#b\#c\#d-1})}$$

And sooo onnn...

$$\text{Btw: } E_{a\#b\#c\#\dots\#d\#e\#1} = E_{a\#b\#c\#\dots\#d\#e}$$

$$(E_{10\#2\#2} = E_{10\#(10\#2\#1)})$$

$$E_{10\#10\#10\#10} = E_{10\#10\#(E_{10\#10\#10\#9})}$$

$$E_{3\#3\#4} = E_{3\#(E_{3\#3\#3})}$$

information taken from:

1. https://googology.fandom.com/wiki/Hyper-E_notation
2. <https://sites.google.com/site/largenumbers/home/4-3/4-3-2-hyper-e-numbers?authuser=0>

By factorial0