Santa's ELF holomorphing machine

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1 Machine memory

The machine has harcoded n holomorphic functions. We denote them as f_i, with $f_i: \mathbb{C} \to \mathbb{C}$, for $i = \overline{1, n}$. For the same ambiguous security reasons mentioned in [1], we do not store the entire function in the machine's memory, but only $Re(f_i) = u(x, y)$ or $Im(f_i) = v(x, y)$. What is stored is based on the total length of Mr. Kringle's toenails, measured in yards. The machine also has an internal x-y plane, used for **top-secret** computations.

2 Modus operandi

When an elf is inserted into the machine, they are mathemagically transformed into a complex number $z = x + yi$. If the elf was the i^{th} one ever inserted into the machine, then they are morphed into $f_i(z)$. The final product is stored on the machine's internal x-y plane, at the affix of the morphed elf.

References

[1] Santa's ELF morphing machine, Dr. Kris Kringle, 25th December 1989