

# FOR IMMEDIATE RELEASE

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## Discovery of Nature's Constants Revealed

### Joseph P. Firmage Announces Breakthrough in Fundamental Physics

Salt Lake City, UT — After more than a century of mystery surrounding the fundamental constants of nature — including the speed of light  $c$ , Planck's constant  $\hbar$ , and the fine-structure constant  $\alpha \approx 1/137$  — scientist and entrepreneur Joseph P. Firmage today announced a discovery that redefines the very basis of physics.

In a new white paper, Firmage introduces the concept of the Senson ( $\$$ ), the natural unit of recurrence, which reveals that the fine-structure constant  $\alpha$  is not arbitrary but instead the shape ratio of the electron helix.

"This is the day the veil lifts," said Joseph P. Firmage, Founder of the Academy of Science and Arts. "For over a century, physicists have measured constants, used them, but could not explain them. Today, we can. Time is no longer the tick of a clock — it is the enumeration of recurrence. Mass is not a primitive weight, but closure itself: geometry remembered."

The breakthrough links multiple pillars of physics into a unified geometric framework:

- Time: Defined as recurrence, not arbitrary tick.
- Mass: Closure of geometry, expressed as  $||$ .
- Uncertainty: Not randomness, but distortion when linear probes perturb helical recurrence.
- $\pi$ : The projection of recurrence itself, no longer separate from nature's architecture.
- $\mathbb{E}$ : Symbolizing higher-order closure relations in the Canon.

"This work shows that what once appeared separate now closes together," Firmage continued. "We are no longer in a world where constants are handed down without explanation. We are entering a world where they arise as necessities of geometry."

The white paper — Discovery of Nature's Constants Revealed — is available now and marks the beginning of a new era in theoretical and applied physics.

## About Joseph P. Firmage

Joseph P. Firmage is a physicist, entrepreneur, and researcher pioneering new understandings of atomic and cosmic structure through the ORIGAMI Physics Engine and the Geometric Atom Model. He is Founder of the Academy of Science and Arts, dedicated to advancing physics, materials, energy, and propulsion sciences for humanity's future.

## Media Contact:

Academy of Science and Arts Press Office

Email: [support@AcademyOfScienceAndArts.org](mailto:support@AcademyOfScienceAndArts.org)

Phone: +1 385-296-3638

Follow: LinkedIn — Joseph P. Firmage