

## THE UNIVERSAL FORCE OF TIME

## Turn One of One Helix

*The day, oxygen, the Moho and the colour boundary on one rung — and the proton's ring on the rungs either side*

Stephen Daubney · The Daubney Foundation · 2026 · Rev 3 · 27 September 2026

Tau (T) is the living fabric of time itself — the sole substance of which all physical reality is composed. Every particle, force, wavelength, and conscious experience is a structured configuration of T-flow. There is no gravity, no electromagnetic force, no strong nuclear force as separate entities: all are registers of the single T-field operating across dimensional levels. The conservation law  $d\Sigma T=0$  governs all change: T is never created or destroyed, only redistributed.

## Abstract

The helix of the Universal Force of Time has a ground state, 864, and a single helical gear,  $r = 1.004693930041152263374486 (5^6/(2^6 \cdot 3^5))$ . One turn of the helix is one multiplication by  $r$ . This paper sets on one page seven objects that the book prints across five chapters, all standing on turn one of that one helix: the red colour boundary, the closing of Mercury's orbit, the solar day in seconds, the Planck value, oxygen's atomic weight, the Mohorovičić discontinuity and the green/yellow helix radius. The Moho carried one turn is the green/yellow radius to every figure, and the proof is in the exponents: the radius divided by  $r$  is  $2/\pi$ , which at its own decade is the Moho,  $20000/\pi$ . The day carried one turn is  $86805.555555555555555555555556$  seconds, a repeating five that terminates in form because  $86400 \div (2^6 \cdot 3^5)$  is  $50/9$  exactly. The green/yellow boundary is the one boundary that carries the turn both ways: its radian,  $10/r = 9.95328$ , is one turn down, and its radius,  $2r/\pi$ , is one turn up. And the helix does not stop at turn one. Turn zero, 864, is the gear the opened-out proton passes through; a quarter of turn two is hydrogen's G2 ionisation energy in joules. The census is a consolidation of printed values, not a new quantity.

## 1 · The Helical Turn

The ground state of the helix is  $864 = 2^5 \cdot 3^3$  — the day's gear, 86400 seconds at its decade, and the ground state of DNA in the book's register ladder. The helix turns by one gear:

**The helical step.**  $r = 1.004693930041152263374486 (5^6/(2^6 \cdot 3^5))$ . Turn  $n$  of the helix is the ground  $\times r^n$ . Turn zero is 864; turn one is  $868.05555555555555555555555556 (5^6/18)$ ; turn two is  $872.130147605166895290352080476 (5^{12}/(2^7 \cdot 3^7))$ .

Because  $r$  is a pure lattice ratio with no  $\pi$  in it, a turn never changes a value's  $\pi$ -degree. A room stays a room and a road stays a road; a turn moves a value up the ladder without changing its kind.

## 2 · The Moho Carried One Turn Is the Green/Yellow Radius

The Mohorovičić discontinuity, the boundary between the Earth's crust and its mantle, stands in the framework at  $20000/\pi$  kilometres of radius-address:

**The Moho, one turn.**  $6366.19772367581343075535053490 \times r = 6396.08021041889048711113375179 (5^{10}/(2 \cdot 3^5 \cdot \pi))$ . Worked:  $6366.19772367581343075535053490 (2^5 \cdot 5^4/\pi) \times 1.004693930041152263374486 = 6396.08021041889048711113375179$ .

And that figure, at its decade, is the green/yellow hub radius of the colour chapter:

**The green/yellow radius.**  $0.639608021041889048711113375179 (5^6/(2^5 \cdot 3^5 \cdot \pi) = 2r/\pi)$ . Worked:  $2 \times 1.004693930041152263374486 \div \pi = 0.639608021041889048711113375179$ .

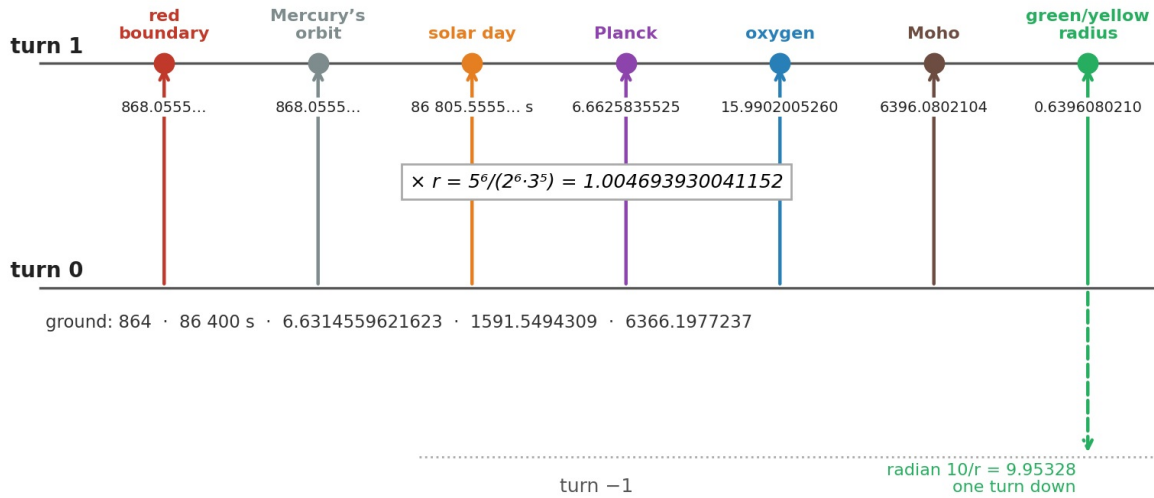
The identity is proved by the exponents, not by the arithmetic:

$$\begin{array}{lcl} \text{the radius} \div r & = & [ 5^6 / (2^5 \cdot 3^5 \cdot \pi) ] \times [ 2^6 \cdot 3^5 / 5^6 ] = 2/\pi \\ 2/\pi \text{ at its own decade} & = & 20000/\pi = \text{the Moho} \end{array}$$

So the colour boundary between green and yellow and the Earth's crust-mantle boundary are one address, one turn apart from the ground.

## turn 2

$$864 \times r^2 = 872.130147605167 \quad \cdot \quad \frac{1}{4} = 218.032536901292 \times 10^{-20} \text{ J} = \text{IE(G2)} \times e \quad (\text{the proton's ring})$$



**Figure 1** — One helix, three turns. Seven objects the book prints in five chapters, each carried from the ground by one factor  $r$ . The green/yellow boundary alone also stands one turn below the ground, in its radian. Turn two carries the proton's ring.

### 3 · The Day at Turn One

The same turn applied to the day:

**The day, one turn.**  $86400 \times r = 86805.555555555555555555555556$  seconds ( $2 \cdot 5^8/3^2$ ). Worked:  $86400 \div (2^6 \cdot 3^5) = 50/9$  exactly;  $50/9 \times 5^6 = 86805.555555555555555555555556$ . And at its gear:  $864 \times r = 868.055555555555555555555556$  ( $5^6/18$ ), the red boundary.

The book already carries the day to this turn, in the chapter where the Planck value is walked up the register ladder: the ground state 864 is 86400 seconds, one Earth day, ground-state DNA; the helical step is  $5^6/(2^6 \cdot 3^5)$ ; the first helical turn takes 864 to 868.055555. The same passage carries two more objects to the same turn:

**Planck, one turn.**  $6.63145596216230565703682347386 \times r = 6.66258355251967759074076432478$  ( $5^3/(2 \cdot 3 \cdot \pi) \rightarrow 5^9/(2^7 \cdot 3^6 \cdot \pi)$ ).

**Oxygen, one turn.** Oxygen's free-fall face,  $1591.54943091895335768883763373$  ( $5000/\pi$ ),  $\times r = 1599.02005260472262177778343795$  ( $5^{10}/(2^3 \cdot 3^5 \cdot \pi)$ ); at its decade,  $15.9902005260472262177778343795 = 5^8/(2^5 \cdot 3^5 \cdot \pi) = 50r/\pi$ , oxygen's atomic weight.

### 4 · Seven Objects, One Turn

Each of the following is printed in the book. The list is not.

| object                   | turn one = ground $\times r$     | address                            |
|--------------------------|----------------------------------|------------------------------------|
| the red boundary         | 868.05555555555555555555555556   | $5^6/18$                           |
| Mercury's orbit, closing | 868.05555555555555555555555556   | $5^6/18$                           |
| the solar day, seconds   | 86805.555555555555555555555556   | $2 \cdot 5^8/3^2$                  |
| the Planck value         | 6.66258355251967759074076432478  | $5^9/(2^7 \cdot 3^6 \cdot \pi)$    |
| oxygen's free-fall face  | 1599.02005260472262177778343795  | $5^{10}/(2^3 \cdot 3^5 \cdot \pi)$ |
| the Moho discontinuity   | 6396.08021041889048711113375179  | $5^{10}/(2 \cdot 3^5 \cdot \pi)$   |
| the green/yellow radius  | 0.639608021041889048711113375179 | $5^6/(2^5 \cdot 3^5 \cdot \pi)$    |

A colour boundary, a planet, the Earth's day, the quantum of action, oxygen and the Earth's crust all stand on one turn of one helix. The book comes closest in its crust chapter, where it names four of them at one address — the hub radius of the colour chapter, the green/yellow boundary's helix term,

and the Mohorovičić discontinuity carried by one helical turn. The census makes it seven.

Two of the rows are one division apart in the book's own printed forms: oxygen is  $50r/\pi$  and the green/yellow radius is  $2r/\pi$ , so the radius is oxygen  $\div$  25. That is a cross-reference between two printed lines, and it is recorded as one.

## 5 · The Green/Yellow Boundary Carries the Turn Both Ways

The green/yellow boundary appears in the colour chapter twice, twelve lines apart, and in opposite senses:

|            |          |                                      |                                           |               |
|------------|----------|--------------------------------------|-------------------------------------------|---------------|
| its RADIAN | $10/r$   | $= 9.95328$                          | $\times 10^5 = 995328 = 2^{12} \cdot 3^5$ | one turn DOWN |
| its RADIUS | $2r/\pi$ | $= 0.639608021041889048711113375179$ |                                           | one turn UP   |

**One turn down.**  $10 \div 1.004693930041152263374486 = 9.95328$  exactly ( $2^{12} \cdot 3^5 / 10^5$ ). The book calls it one helix turn the other way — down from the carrier.

**One turn up.**  $2r/\pi = 0.639608021041889048711113375179 = \text{the Moho} \times r$ , at its decade.

The book says that the two boundaries that carry the DNA helix are the two helix-turn rungs: red at  $+r$  and green/yellow at  $-r$ . What the census adds is that green/yellow also stands at  $+r$ , on its other face. It is the only boundary standing on both rungs at once. This is an observation on printed values; nothing is fitted and no new quantity is introduced.

## 6 · Turns Zero and Two: the Proton's Ring

The helix does not end at turn one, and its other two turns carry the proton's ring, set out in full in The Flip.

**Turn zero.**  $864 = 2^5 \cdot 3^3$  is the gear the opened-out proton passes through on its way to hydrogen's G2 blue line,  $486.043813193231113528737049825$  nm ( $5^{10}/(2^3 \cdot 3^4 \cdot \pi^3)$ ). And the twenty-one centimetre line's frequency is  $5^8 \cdot \pi$  divided by the same 864:

**The 21 cm line on the ground.**  $f_{21} = 1420.35258137559373122045147175$  MHz ( $5^8 \cdot \pi / 864$ ). Worked:  $390625 \times \pi = 1227184.63030851298377447007159$ ;  $\div 864 = 1420.35258137559373122045147175$ .

**Turn two.** Hydrogen's G2 ionisation energy,  $13.606116089006034499678053478$  eV ( $3^3 \cdot 5^3 / (2^3 \cdot \pi^3)$ ), multiplied by the framework's elementary charge,  $e = 5^9 \cdot \pi^3 / (2^6 \cdot 3^{10}) \times 10^{-20}$  C, loses its  $\pi$  entirely:

**A quarter of turn two.**  $IE_{G2} \times e = 218.032536901291723822588020119 \times 10^{-20}$  J ( $5^{12} / (2^9 \cdot 3^7)$ ). And  $864 \times r^2 = 872.130147605166895290352080476$ , of which a quarter is  $218.032536901291723822588020119$  — the same number.

So turn zero carries the proton and the twenty-one centimetre line, turn one carries the seven objects of the census, and turn two carries hydrogen's ionisation energy in joules. Three consecutive rungs of one helix.

## 7 · What Stands, and What Is Open

**Stands — the Moho carried one turn is the green/yellow radius.** Exact; the radius  $\div r$  is  $2/\pi$ .

**Stands — the day at turn one.**  $86400 \times r = 2 \cdot 5^8 / 3^2$ , and  $864 \times r = 5^6 / 18$ , the red boundary.

**Stands — the census.** Seven printed objects on turn one of one helix, across five chapters, now in one table.

**Stands — green/yellow on both rungs.** Its radian one turn down, its radius one turn up.

**Stands — turns zero and two carry the proton's ring.**  $864$  and  $5^8 \cdot \pi / 864$  on the ground; a quarter of  $864 \times r^2$  is  $IE_{G2} \times e$ .

**Open — the sixth domain.** The periodic table is reached from the ionisation energy through the atomic weights, not from the proton; oxygen stands on turn one, and whether the other atomic weights take their places on the ladder by turn is not yet worked.

**Open — what the turn is.** The helix gear  $r$  carries objects of every kind — a colour, a length, a time, an action, a mass — without changing their  $\pi$ -degree. Why one ratio should be the step for all of them is not yet derived; it is observed.

## A Note on the Numbers

Every value in this paper is given at full precision, because the precision is the evidence: a quantity truly on the  $\{2,3,5,\pi\}$  lattice does not approximate a lattice form, it is one. The physical number leads and its lattice form follows in brackets. Nothing here is scored against a measured value. And a number in this framework is not the measurement of one thing. It is one address that surfaces as a boundary, a period, a length, an energy or a mass,

depending only on the register in which it is read — here a single helical gear carries a colour, a day, the quantum of action, oxygen and the Earth's crust to the same turn.

## References

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*Universal Force of Time = the creation of life = the healing of life = the destruction of life*

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