
The Torah; Beyond the Beginning.

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Date : 02-03-2012

Where to begin? "In the beginning G-d created...." The Torah tells us what to do in its very first word: *Bereshit* ("In the beginning"). But the Torah is far from a narrative and the word *Bereshit* is far more than the beginning of a story. It's a commandment. It's a commandment for us to look deeper, to look to the source, to seek out the beginning, and in so doing to come closer to the Creator.

In this blog and our articles, we've often selected key words, phrases, or portions of the Torah and dug deep, uprooting profound meanings that help open up the big picture, but this time we are going beyond. We're going to unravel the Torah and all its 304,805 letters, 79,975 words, 5845 verses, [etc etc](#) and go back to its latent state, when ALL existed in potential and nothing was limited by physicality. We are going to pull back some of the veils to the endless. We've been silent for quite some time now, but permission has finally been granted. It's time.

In it's physical state the Torah is a document written on **80** sheets of parchment and about



80,000 words long, which makes sense since spiritually, according to the Arizal, the Torah is *Yesod of Abba* and the numerical value of "[Yesod](#)" (the sefira/dimension) that channels forth the *shefa* (life-force energy) is **80** and *Abba* is the highest level, but this is just a side note. This "document" is comprised of black letters and white space, referred to by the Zohar as black fire and white fire, neither more or less significant than the other. Without one we could not see or fathom the other.

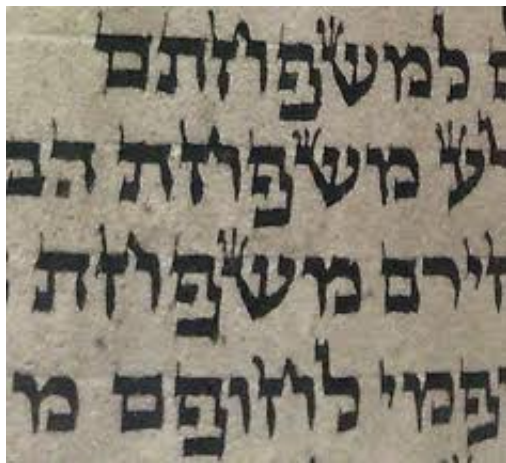
There are strict laws in recreating a Torah that a scribe must follow meticulously or the Torah isn't kosher, in other words completely invalid. For example, each of the 304,805 letters, comprised of exactly [\(600,000-408\) component letters](#) must be formed fully and perfectly and in the precise order; one deviation and the entire document is nullified. He does, though, have a little leeway in how many letters, grouped into specific words, verses, and paragraphs to place on each line, put just so long as each of the columns begin at specific places. This means he can stretch certain letters within guidelines and also stretch the space between some of the letters again within guidelines.

Nevertheless, in the end there will be **42** rows of spaces and letters, let's call them collectively "character spaces" in each column, and either **245** or **248** columns per page, as there are

always two points of view in Judaism. The standard is **248** columns, corresponding most fittingly numerically to "womb" and "mercy" and "Abraham," considering that the sum of the Names of the **5** Books in the Torah is **2480**. But enough gematria, we'll explore the significance of 245 columns, and also 246 columns, after we tackle the matrix formed by the **248** columns by **42** rows.

There is nothing left to chance in the Torah, also known as The **5** Books of Moses, everything has a special "harmonic" alignment and thus purpose. The total number of 304,805 letters, 79,975 words and 5845 verses collectively equals **390,625** or **5⁸**. That would appear to be more than an accident, right? Exactly **5** raised to the power of **8**. Try just calculating that in your head, 5 x 5, now 5 again, now 5 again, again and again 8 times, let alone keeping track of all those letters, words, and verses.

But what if all the letters and the empty "white fire" spaces, in other words, the character



spaces in that same **248 x 42** matrix also totaled **390,625** or **5⁸**?

Because they do, more or less. It's because of that leeway that today's scribes have in stretching the letters and spaces that the matrix created even before the Torah was laid out, in other words before Creation, might not necessary come out to exactly **5⁸**, but if properly written it will be close.

This by itself should be astonishing, but there is a deeper reason behind it, one primordial to life and the structure of the universe itself. And that's what we're seeking out. But before we get to that, we need to help all the skeptics fears about there really being a G-d (or as some put it, a G-d-like force in the universe) and show how the numbers add up.

First of all, let's note that this **248 by 42** matrix works out to 10416 rows, with 20 (4 between each book and 1 before and after each of the two songs) being necessarily empty, leaving us with 10396 rows that contain at least some letters. So when we divide the 304,805 letters amongst the 10396 rows it works out to 29.32 letter/row on average, which corresponds with the Shulchan Aruch that states that a length of line should be three times the word "?????????" or 30 letters more or less (Shulchan Aruch, Yoreh Deah 272:2).

But that's just the letters and it's the easy part. Next, we know that there are 79975 words in the Torah, and 79975 words divided by 10396 lines gives us 7.693 (7.7) words per line, which means that there are at least 6.7 spaces between the words on average per line. And thus without any further computation we know that there are 36.0123 character-spaces directly attributable to the letters and words. A nice round number (36) but not the complete picture, which would necessarily be **37.50** character-spaces per line if indeed there are **5⁸** character-spaces in the Torah. One of the essential elements of Torah study followed by the sages for ages has been the use of the initials of words in a specific Torah phrase, and coincidentally or not, the initial numerals in the **304,805** letters, **79,975** words and **5845** verses which collectively

equal 390,625 or 5^8 are **3**, **7**, and **5**, as in **37.5** character-spaces per line.

Now, there are 670 paragraphs in the Torah and there has to be a minimum of 9 spaces between them and a maximum of about 35 and here is where the scribes have lots of leeway. On average, and somewhat arbitrarily, there's between 17 and 20 spaces allotted to the paragraph separation. Using 17 for the 670 paragraphs, we have 11,390 additional character spaces. Then there are the 20 empty rows at 37.5 character spaces each and you could argue that that is arbitrary, but we already know that it is at least, and also close to, 37.11, so it's not so farfetched. Anyhow, this gives us 20 rows x 37.5 spaces, or an additional 750 character spaces.

Then if we add the approximately 28 by 24 extra spaces in the Song of the Sea and the 70 lines by 9 extra spaces in portion Ha'Azinu, we have another 672 and 630 spaces respectively, bringing the total to within about 2000 or so spaces of the total 390,625, easily compensated for by the allowed stretched spacing and stretched writing found in most Torahs. We could easily make it work out exact, but if it were meant to be, as the sum of the letters, verses and words are, it would have been. We are dealing with the intangible spiritual state and are meant to enter this cloud-like state as Moses did, focused by our certainty and not by a well-lit path. The 2000 or so spaces can go either way, and thus on average will go right down the middle, directly toward 390,625, which when broken down by gematria spells out "The Crown (625, *H'Keter*) of Heaven (390, *Shama'im*).

Thus focused and ascending, let's continued beyond, where we recall the words of Rabbi



Chaim Vital of blessed memory that all Torah light is spread by squaring, and thus we can now see how this matrix of white and black fire was unfolded into Creation. Working backwards, we can take the square root of 390,625, which is 625, then do it again (25) and again (5) and one more time (**?5**) for a total of **4** times, corresponding to the **4** Letter/levels/phases of the Tetragrammaton (*YHVH*).

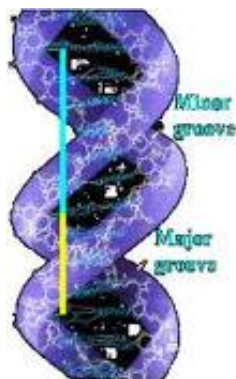
$$(?5)^2 = 5 \text{ and } 5^2 = 25 \text{ and } 25^2 = 625 \text{ and } 625^2 = 390,625$$

It's not called the 5 Books of Moses for nothing.

This square root of **5** is no arbitrary number, not by a long shot. Yes, on the surface it's just

some endless irrational number 2.2360... but so is Pi. Nevertheless, $\sqrt{5}$ appears to have been chosen to define the primordial existence that gave birth to Creation and thus physicality in the formation of the Torah matrix. A bold statement for sure, but the mathematicians are already smiling because they already know what's coming next.

It turns out our physicality is indeed defined by the square root of 5. For you see the $(\sqrt{5})$ is at the



heart of the primordial mathematical constant Phi, which controls (dictates) all natural spiraling growth in nature from the petals on the flowers, the branches on the trees, the twisting of seashells, our DNA, and arms of the Milky Way.

$$(\sqrt{5} - 1)/2 = \text{Phi} (.61803399\dots)$$

and also

$$(\sqrt{5} + 1)/2 = \text{Phi}^2 (1.61803399\dots)$$

And reminiscent of the essential Kabbalistic equation, "He and His Name are One" we have the reason why the square root of 5 creates natural growth.

$$(\sqrt{5} - 1)/2 \times (\sqrt{5} + 1)/2 = 1$$

or

$$\text{Phi} \times \text{Phi}^2 = 1$$

Extrapolating from 1, we get 4

$$(\sqrt{5} - 1) \times (\sqrt{5} + 1) = 4$$

From Unity to the YHVH

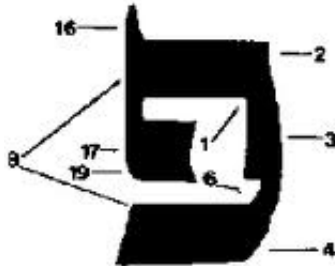
So, G-d took this sacred space or dimension and unfolded it 4 times before shaping it into a matrix of 248 by 42 in a proportion of about 6 columns to every row, the same proportion (59%) of verses in the Torah that begin with the letter Vav of numerical value 6. Which leads us to the filling of that matrix, going from a potential state to a physical one, the point of Creation.

After the matrix was filled with swirling white and black fire in very specific quantities, both of

which as we've seen tie back to the square root of 5, the black fire was arranged according to G-d's Name, *YHVH*.

As you can imagine, the shape the black fire took was significant in every detail. Even without the help of the scribes the 22 Hebrew letters vary in size with 2 of them *Yud* and *Vav* occupying a single width, 4 of them occupying 2 widths and 16 of them occupying 3 widths, thus once again giving us a unfolding squaring pattern, 2, 4, 16.

For some reason, the fire of the 304,805 letter characters was split into exactly



300,000 of the 26 assorted letters (including the 5 final variations) and 4805 of the letter *Pe*, or *Phe* (possibly representing Phi in both its spiraling shape and sound).

Then of those 300,000 letters, **90,100** letters, or 30% of them, were the letters *Yud*, *He*, and *V* av, the building blocks of the Tetragrammaton, the *YHVH*, with the value **90,100** being equivalent to the sum of the integers through the number **424**, the numerical value of



"*Mashiach Ben David*." (The Messiah).

Sum of integers 1 to 424 = 90,100

424 = Moshiach Ben David

These 3 letters were arranged in specific patterns throughout the Torah matrix forming along the way 1820, or 20 x **91** Tetragrammatons (*YHVH*). Now those 1820 *YHVH* are comprised of **7280** letters, reminiscent of the **7** words and **28** letters of the Torah's first verse, whose inextricable ties to the [42-Letter Name of G-d and the mathematical constant Pi](#) are pervasive.

We only bring this up to point out a persistent pattern in the way the black fire unfolded within the **248 x 42** matrix. As we said, the first verse of the Torah has **7** words, and the sum of the integers from 1 to **7** is **28**, as in the **28** letters of that verse. Then we have the total numerical value of that verse being **2701**, which is likewise the sum of the integers from 1 to **73**, the numerical value of *Chochma* (Wisdom). And then there is the total numerical value of the first 8 words (**33** letters) of the Torah, which is **3003**, and which happens to be the sum of the integers from 1 to **77**, the numerical value of *mazal* (divine fortune).

This pattern of including all the previous integers starts with the essential Name of G-d, which is injected into every aspect of the the Torah matrix. The **4 letters** of the **YHVH** when spelled out **YVD HY VYV HY** become **10 letters**, just as the sum of the integers from **1 to 4 = 10**. When spelled out again they become **28 letters**, as in the sum of integers from **1 to 7**. And in its first 3 spelled-out iterations the **YHVH** and thus the energy of the **YHVH** becomes

$$4 + 10 + 28 = 42$$

These are the 42 Letters of the Upper 42-Letter Name of G-d, from which all divine sustenance flows down to us.

This pattern of including all the previous integers (spiritually just representations of specific energy levels) is oft repeated throughout the Torah; nevertheless, we'd like to point out that Torah space is more than space as we conceptualize it; it's space and time and more, wrapped up in one. Therefore, when we add the sum of the first **7** and the first **8** words of the Torah together with the average of what they represent as the sum of integers:

$$2701 + 3003 + (73+77)/2 \text{ we get} \\ = 5779$$

This is the date prophesied by the *Tzaddikim* for the coming of *Moshiach* consciousness and the Tree-of-life reality. Now, if Torah space is more than space, how much more would the primordial unfolded space-time occupied by the square root of 5 be?

And we find the answer in that the sum of the integers through **42**, which is **903**:

$$\text{The sum of the integers from 1 to 42} = 903$$

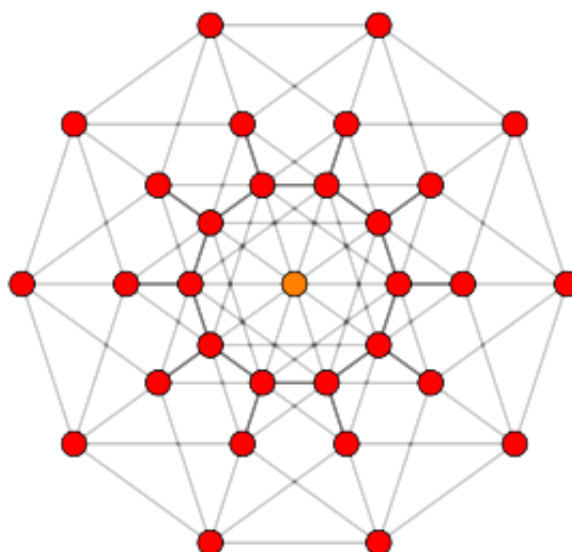
$$903 \times 5 = 2019$$

$$2019 \text{ CE} = 5779 \text{ HC}$$

You can read all about these prophecies by [Rav Yehuda Halevi Ashlag](#), etc on our blog and



in [The Divine Calendar](#) and [Nothing is Random in the Universe](#) so I'd like to get back to



the brand new revelations and the structural essence of the Torah, but we would like to point out that the matrix is a reflection of sorts of the Tree-of-life, of which there are **32** Paths, which we've pointed out in other [articles](#) corresponds to the **32** times the Name Elohim is mentioned in Creation and to the [5-dimensional hypercube](#) with its **32** vertices and **80** edges and **80** faces.

And one such result of this reflection is found by taking the matrix itself, **248 x 42**, or **10416** lines (rows), and taking its square root again and again, 6 times, until it equals **(1.155517...)**³² A meaningless number, whose only significance (to our limited understanding) is that when we multiply it by **50**, as in the **50**-year Biblical jubilee period that the Torah commands us to count, we get **57.77588...**, yet another representation of the period **5777/5778** HC and of the use of the Jubilee year. Whether it's **115.552** jubilee years from Creation to **5778** or **66.6** of them from the reception of the Torah at Sinai in **2448** to **5778**, it must all have been designed from even before the black fire was allowed to mix with the white.

None of this is surprising of course, because **Phi**¹⁸ also equals precisely **5778.000** and against all astronomical odds, the only **4**-digit numerical strings found to repeat 3 times within the first 1000 digits of Pi, are **5778** and its CE equivalent, **2019**, back to back years, a demarcation in time. But you can read about that in [Nothing is Random in the Universe](#) and today, we're concerned mainly about the unfolding of the Torah, not space-time.

Interestingly, when we take the square root of **10416** and take it again (the **4th** root) we get **10.1024** and while **10** universally represents the **10** dimensions of the Tree-of-life and of modern physics, **1024** is precisely equivalent to **32²**. Moreover, there just so happens to be exactly **1024** different numerical values represented within the **80,000** words of the Torah.

Now, let's go back to those **90,100 Yuds, Hes, and Vavs** of which **7280** formed the **1820** Tetragrammaton (**YHVH**) in the Torah. As you may have noticed when we mentioned **1820 = 20 x 91**, the numerical value of the all important kabbalistic unification of **YHVH** and **EDNY** (*Adonai*) and of "Amen (*EMN*)," there is another synergistic **91** hidden here. It's found in the simple sum of the whole and it's parts; "He and His Name are One:

$$1820 + 7280 = 9100.$$

Nevertheless, and even as the importance of this is lost on us, there is a deeper significance that we can note. Since there are 304805 letters (black fire) within the 390625 character-spaces, there are necessarily **85820** white fire spaces within the matrix, just about **22%** of the Torah spaces. While the connection to the **22** Letters of the Hebrew alphabet, or as Abraham described them, the **22** building blocks, is obvious, the juxtaposition to the **82820** *Yuds*, *Hes*, and *Vavs* that do not comprise the **7280** *YHVH* is less so.

Subtracting **82820** from **85820** gives us and even **3000**. And what we can take away from this is that possibly all but **3000** of the "empty" spaces correspond to either *Yuds*, *Hes*, or *Vavs* and thus carry the Name of G-d within them, an energy that bonds the letters into words and verses; after all, because of this special design that's incorporated into the Torah, those **85820** "empty" character spaces correspond precisely with the **85820** words and verses in the Torah.

$$\text{Words (79975) + verses (5845) = 85820}$$

$$\text{Empty Character spaces = 85820}$$

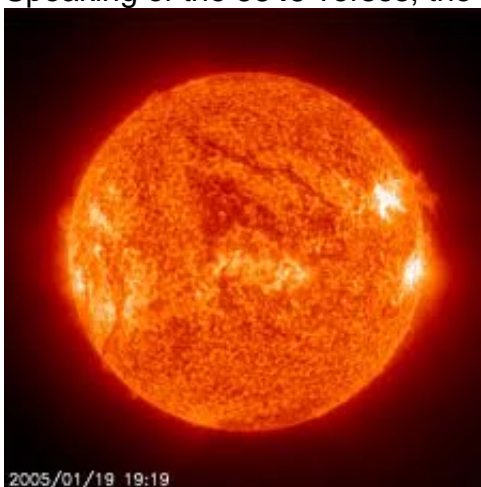
$$\text{YHVH in Torah = 1820}$$

$$\text{82820 Resultant Yuds, Hes, and Vavs}$$

$$820 = \text{Numerical value of "Love thy neighbor as thyself"}$$

The Sun and the Moon

Speaking of the **5845** verses, the small gematria numerical value for "[the Sun](#)



(H'Chamah)" is **5845**, which is all the more interesting considering that there are on average **29.3** letters per line of Torah and the days of the lunar cycle are **29.5**. Not a perfect match, but if you recall at the outset of their article we mentioned that it is accepted practice to write the Torah with **245** columns as well as the standard and as we've seen oh so special **248**. If the

Torah matrix were to have **245** columns everything would be crammed into a slightly smaller space, resulting in **7.78** words/line and 29.68 letters/line, but if it were **246** columns, there would be **29.50** letters/line, meaning each line would be representative of the monthly lunar cycle. This leeway provides room for us to think and ponder. It gives us room to explore and find our own way. If G-d gave us a giant clock, Man would probably have broken it by now.

By the way, in case you are new to our blog, the surface [temperature](#) of the Sun is **5778 K** and the [average surface temperature of the Earth will reach 57.78 F](#) within the next 6 years. One big clock.

According to the Zohar, in the time of the *geula*, final redemption and of the advent of Moshiach consciousness, the Sun and the Moon will be equal. The Torah matrix provides a structure for this to occur; it's up to us to find it. But recall, the Sun, represents *Zeir Anpin*, (a sharing/channeling force) and the Moon, *Malchut* (a purely receptive vessel), possibly meaning that in the so-called end-of-days, the receptors will be able to share with the givers and a new balance will be in order.

But before there was a Sun and a Moon there was Phi, the primordial mathematical constant that along with Pi and several laws of nature helped bring into being our physical world, once the matrix had been laid out. Going back to the **248** column structure of the Torah matrix, we note that besides the 390,625 elements there are also the 248 columns and the 10,400 lines (discounting the 16 blank lines that separate the 5 Books). These total 401,273 total elements and

$$\text{Phi}^2 = 1.61803399..$$

$$401,273/\text{Phi}^2 = 248,000$$

Moreover,

$$390625/(\text{?1} + \text{?2})=1,618,022$$

And when all the black fire was laid out and arranged amongst the white fire, and divided up amongst the **5** Books in the Torah, all of varying length, the number of chapters, words, letters, verses were indelibly set into place. It's here that we find that they were [all split \(actually divided\) into specific segments using the Phi proportion](#). The first chapter of Numbers (*Bamidbar*) is the dividing point in terms of letters, of words, and also of verses that splits the Torah into two harmonic portions. Thus:

$$(\text{Genesis} + \text{Exodus} + \text{Leviticus})/(\text{Numbers} + \text{Deuteronomy}) =$$

$$1.61803399 \text{ letters, or words, or verses}$$

And

$$(\text{Numbers} + \text{Deuteronomy})/(\text{Genesis} + \text{Exodus} + \text{Leviticus}) =$$

.61803399 letters, or words, or verses

There should be no doubt that Phi is an integral part of the structure of the Torah matrix or that we weren't meant to eventually wake up and realize it. By the way, if we add the 670 paragraphs and the 80 pieces of parchment to the 248 columns, 10396 rows and 390625 elements we get **402019** and the only [5-digit string to repeat in those first 1000 digits of pi](#) is **42019**.

390,625 + 10396 rows + 248 columns + 670 paragraphs + 80 parchments =

402019

Everything has a purpose in the Torah.

We've breached the boundary of the upper worlds, and thus endless wisdom is available to us, but we're right at the entrance and must be careful not to drag our negative shells (*klippot*) and personal agendas along with us. Walking up is only the first step. It's what we do from then on that matters.

There's a lot of math here and the concepts underlying it are very profound so we will take our time in subsequent articles exploring them and bring them into our lives in a more concrete way. Best wishes and love to everyone on this *hillula* of Moshe Rabbeinu,
Ezra