

Conceptual Paper

Sacred geometry





Abstract

Sacred Geometry is a description of the use of fingerprint classifications in a geometric location. The purpose of the application is to analyze the position of a given code on a chart which is a display of an entire sequence of fingerprint codes. Through this method, with the understanding that mathematics is an exact science, the interpretation thereof allows us to examine the compatibility of groups of individuals who maintain a given geometric display, the ability to work together in harmony. This concept asserts its foundation on the dimensions of the perimeter of the Great Pyramid Khufu in Giza Egypt, which reflects time and space in its construction.

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Andres J Washington

Fingerprint Geometric Analysis, USA

Correspondence: Andres J Washington, Fingerprint Geometric Analysis, Post Office Box 165 Bronx, New York 10451-0165, USA, Tel 91 49603526, Email director@ dermatoglyphics.com

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The concept of sacred geometry consists of two components

- i. The fingerprint diagonal reverses sequence arrangement.
- ii. The primary classification analysis.

The original sequence

111	IIO	IOI	100	OII	OIO	IOO	000
III	III	III	III	III	III	III	III
111	IIO	IOI	100	OII	OIO	IOO	000
IIO	IIO	IIO	HO	IIO	1 IO	I IO	110
111	IIO	IOI	100	OII	OIO	IOO	000
IOI	IOI	IOI	IOI	IOI	IOI	IOI	101
III	110	IO I	100	011	OIO	IOO	000
IOO	IOO	IOO	IOO	IOO	IOO	IOO	100
Ш	IIO	IOI	100	OII	OIO	IOO	000
OII	OII	OII	OII	OII	OLI	OII	011
Ш	110	101	100	011	OIO	IOO	000
OIO	OIO	OIO	OIO	OIO	OIO	OIO	010
111	110	101	100	011	OIO	IOO	000
IOO	IOO	IOO	IOO	IOO	IOO	IOO	100
111	110	101	100	011	010	001	000
000	000	000	000	000	000	000	000

The fingerprint diagonal reverses sequence arrangement

The original sequence is for the sixty-four possibilities when the # 2,3,4,7,8 and 9 fingers are considered; this sequence only includes the inner and outer loops. The Original Sequence is arranged in the following order:

1	2	3	4	5	6	7	8
9	10	п	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64

Due to the fact that the inked fingerprint is in actual reverse, (Mirroring) it has been determined that the original sequence would be arranged in reverse diagonally (The First Reference Sequence) displaying a different perspective of the total possibilities in relation to each other.

The first reference sequence

1	9	15	21	25	29	31	64
56	2	10	16	22	26	63	32
50	55	3	11	17	62	27	30
44	49	54	4	61	18	23	28
40	43	48	60	5	12	19	24
36	39	59	47	53	6	13	20
34	58	38	42	46	52	7	14
57	33	35	37	41	45	51	8

The first reference sequence

111	111	001	011	111	011	001	000
111	110	IIO	101	IOO	IOO	IOO	000
000	110	110	000	OIO	110	100	000
001	III	110	110	IOI	100	000	100
110	001	101	101	Ш	010	101	OIO
IOO	IOO	III	110	IOI	000	IOO	100
100	111	010	100	011	110	001	100
OIO	001	IOO	III.	000	IOI	IOI	100
000	101	000	100	011	100	101	000
011	OIO	010	000	TIT	110	IOI	101
100	001	101	001	011	OIO	011	100
011	011	000	010	001	III	1 10	101
110	110	OIO	110	010	100	001	OIO
OII	000	OII	OIO	010	IOO	1 II	1 IO
111	111	101	011	111	011	101	000
000	011	OII	OH	010	010	IOO	III

This diagonal reverse is then used to provide the arrangement of the Second Reference Sequence.

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The Second Reference Sequences

1	10	19	28	37	46	55	64
2	11	20	38	47	56	3	12
21	30	39	48	4	13	31	40
5	14	23	32	6	24	7	16
58	49	59	41	60	51	42	33
61	52	34	25	62	53	44	35
26	17	63	54	45	27	18	9
57	50	43	36	29	22	15	8

The second reference sequence works as verification in its outcome of how the first reference sequence was established. If the first reference sequence was not in proper arrangement, then the second reference sequence would not be in a uniform sequencing pattern. A close examination of the fingerprint codes found in the second reference sequence reveals a definite pattern along a diagonal basis.

		Ш	110	101	100	011	010	100	000
	Area "A"	III	110	101	100	011	010	100	000
1		110	101	100	010	001	000	101	100
		III	110	IO I	011	010	100	IП	110
		011	010	001	000	100	011	100	000
		101	100	011	010	III	110	100	011
		011	010	001	000	010	000	100	000
		IП	110	101	100	IП	101	IП	110
	Area "B"	110	111	101	111	100	101	110	111
		000	100	000	010	000	100	OIO	OII
		011	100	110	111	010	011	100	101
		000	001	011	100	000	100	010	011
		110	111	001	010	011	101	110	Ш
ļ		100	101	000	001	010	100	IOI	110
	Area "C"	111	110	101	100	011	010	001	000
		000	IOO	010	OH	100	101	110	III

It should be noted that the second reference sequence has been divided into three areas; described as area A, area B, and area C. In area "A" the diagonal of each box contains its opposite code. In area "B" and "C" the diagonal of each box contains the same code in reverse.

1	10	19	28	37	46	55	64
2	11	20	38	47	56	3	12
21	30	39	48	4	13	31	40
5	14	23	32	6	24	7	16
58	49	59	41	60	51	42	33
61	52	34	25	62	53	44	35
26	17	63	54	45	27	18	9
57	50	43	36	29	22	15	8

The second reference sequence

	III	110	101	100	011	010	001	000
Area "A"	III	110	101	100	011	010	100	000
	110	101	100	010	001	000	101	100
	III I	110	IO I	011	010	100	1 II	110
	011	010	100	000	100	011	100	000
	101	100	011	010	111	110	100	011
	011	010	001	000	010	000	100	000
	1 II	110	101	100	111	101	1 H	110
Area "B"	110	111	101	TH	100	101	110	111
	000	100	000	010	000	100	OIO	OII
	011	100	110	111	010	011	100	101
	000	100	011	100	000	100	010	011
	110	111	001	010	011	101	110	111
	100	101	000	IOO	010	100	101	110
Area "C"	111	110	101	100	011	010	001	000
Ante e	000	IOO	010	011	IOO	101	1 IO	III

Definitions

Includes

In the display of an extended geometric area for a given code, any code which occupies the area by which two lines join together, forming an angle, or any code which is used to create the lines which provide the design for the given code in the original sequence, the first reference sequence or the second reference sequence is therefore included in the structure of that code's design. All codes which are included represent personalities that are compatible with one another. This is because all of the aforementioned codes are required to create the geometric design.



Encompassed

In the display of an extended geometric area for a given code, any code(s) which are surrounded by the geometric design and is not included in the makeup of that design and is not intersected by any of the lines which makeup that design is therefore encompassed within the extended geometric area. Geometric codes which are encompassed represent the personalities of persons that can be controlled by individuals who show in the display codes which are used to create the extended geometric area.



Intersected

In the display of an extended geometric area for a given code, any code which is crossed by the line(s) which make up the geometric design is in turn intersected by those lines. The codes which are intersected are the codes of persons who are incompatible with persons who are represented by the codes which are used to create the geometric design. This is because the intersection of a code is an offence to the geometric position of that code.



111 110 101

100

000 000 000 000

010

000

001 000

000 000 000

Primary classification first reference sequence



	29 30 30 31 1 3 3 4 4 5 4 7 8 8 10 10 10 10 10 17 3 21 5 21 3 17 29 8 19 28 5 12 19 24
	1 2 3 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5
	28 28 30 30 31 1 2 3 4 4 5 9 7 8 8 9 10 10 11 12 12 13 13 14 14 14 32 15 15 16 16 16
	18 11 6 1 30 27 7 7 8 3 31 27 21 15 7 31 21 11 31 19 5 23 7 23 5 26 31 10 21 30 7 14
-	27 20 20 30 30 31 1 2 3 4 4 9 0 7 8 8 9 10 10 10 12 12 13 13 14 32 14 15 15 15 16 16
	24 17 10 5 32 29 26 8 8 6 4 32 28 22 16 8 32 22 12 32 20 6 24 8 25 6 19 32 11 22 31 8
	26 27 28 29 29 30 31 1 2 3 4 4 5 6 7 8 8 9 10 10 10 12 12 13 32 14 14 14 15 15 16
9	32 23 16 9 4 31 28 25 9 9 7 5 1 29 23 17 9 1 23 13 1 81 7 24 9 24 7 20 1 12 23 32
	25 26 27 28 29 29 30 31 1 2 3 4 5 5 6 7 8 9 9 10 11 1 12 32 13 13 14 14 15 15 15 15
10	8 31 22 15 8 3 30 27 24 10 10 4 6 2 30 24 18 10 2 24 14 2 33 8 25 10 25 8 21 9 13 94
	25 25 26 27 28 29 29 30 31 1 2 3 4 5 5 6 7 8 9 9 10 11 32 12 13 13 14 14 15 15 15
	18 7 30 21 14 7 2 29 26 23 11 1 9 7 3 31 25 19 11 3 25 22 3 28 6 26 11 26 6 29 3 14
	24 25 25 26 27 28 29 29 30 31 1 2 3 4 5 5 5 7 8 9 9 39 11 11 19 19 19 19 19 14 14 14 15 15
12	28 17 6 29 20 13 6 1 28 25 22 1 12 10 8 4 32 26 20 12 21 26 15 4 23 10 27 12 27 10 23 4
	23 24 25 25 25 27 28 29 29 29 30 31
13	8 27 16 5 28 19 12 5 32 27 24 21 13 13 11 9 7 4 27 20 13 4 27 16 5 24 11 28 13 28 11 24
	23 23 24 25 25 26 27 28 28 29 30 31 1 2 3 4 5 6 4 37 7 8 6 10 11 11 1 11 11
14	20 7 20 15 4 27 18 11 4 31 20 23 20 14 14 12 10 6 19 28 21 14 5 28 17 6 26 13 20 14 20 15
	22 23 23 24 25 25 26 27 28 28 29 20 31 1 2 3 4 5 32 5 7 8 8 8 10 11 11 10 10 10 10
15	2 19 6 25 14 3 26 17 10 3 30 25 22 19 15 15 19 18 7 3 36 39 15 5 10 18 7 36 13 10 18
	22 22 23 23 24 25 25 26 27 28 28 29 20 21 1 2 2 22 25 5 5 5 7 8 2 10 10 10 10 10 10 10
16	16 1 18 5 24 13 2 25 16 9 2 29 24 21 18 16 17 14 11 8 3 20 23 16 7 20 10 8 27 14 21 15
	21 22 22 23 23 24 25 25 26 27 28 28 29 30 31 1 32 3 4 5 6 6 7 8 9 9 10 11 13 13
17	32 15 32 17 4 23 12 1 24 15 8 1 28 23 20 16 17 16 15 19 8 4 51 24 17 8 51 20 6 28 16 20
	20 21 21 22 23 23 24 25 25 26 27 26 26 27 26 26 30 32 1 2 3 4 5 6 6 7 8 0 0 10 11 10 10
18	16 31 14 31 16 3 22 11 32 23 14 7 32 27 15 19 17 18 17 16 13 10 5 32 25 18 9 32 11 10 29 16
	20 20 21 21 22 23 23 24 24 25 26 27 27 28 32 30 31 1 2 3 4 5 5 5 7 8 9 8 10 11 11 13
19	2 15 30 13 30 15 2 21 10 31 22 13 6 14 26 22 18 16 19 16 17 14 11 6 1 26 10 10 1 23 11 20
	20 20 21 21 22 23 23 24 24 25 26 27 32 26 29 30 31 1 2 3 4 5 5 7 7 8 8 10 10 11 11
20	20 1 14 29 12 29 14 1 20 9 30 21 13 5 31 25 21 17 15 20 19 18 15 12 7 9 97 90 11 9 93 19
	19 20 20 20 21 21 22 23 23 24 24 25 32 27 27 28 29 30 31 1 2 3 4 5 6 7 7 8 9 10 10 11
21	8 19 32 13 28 11 28 13 32 19 8 12 20 12 4 30 24 20 16 14 21 20 19 16 15 8 3 28 21 12 2 24
	19 19 19 20 20 21 21 22 22 23 24 32 25 26 27 27 28 29 30 31 1 2 3 4 5 6 7 7 8 9 10 10
22	28 7 18 31 12 27 10 27 12 31 11 7 29 19 11 3 29 23 19 15 13 29 21 20 17 14 5 4 20 25 15 4
	18 19 19 19 20 20 21 21 22 22 32 24 24 25 26 27 27 28 29 30 31 1 2 3 4 5 6 7 7 8 9 10
23	18 27 6 17 30 11 26 9 26 10 30 18 6 28 18 10 2 28 29 18 14 19 23 29 21 18 18 10 5 20 25 14
	18 18 19 19 19 20 20 21 21 32 22 23 24 24 25 26 27 27 28 29 30 31 1 2 3 4 5 6 7 7 8 6
24	8 17 26 5 16 29 10 25 9 25 11 29 17 5 27 17 9 1 27 21 17 13 11 24 23 22 19 16 11 6 31 24
	10 10 10 19 19 19 20 20 32 21 22 22 23 24 24 25 26 27 27 26 29 30 31 1 2 3 4 5 6 7 7 6
25	32 7 16 25 4 15 28 8 24 8 24 10 28 16 4 26 16 8 32 26 20 16 12 10 25 24 23 20 17 10 7 20
	17 18 18 18 19 19 19 32 20 21 21 22 22 23 24 24 25 26 26 27 28 29 30 31 1 2 3 4 5 6 7 7
26	24 31 6 15 24 3 7 27 9 23 7 23 9 27 15 3 25 15 7 31 25 19 15 11 9 26 25 24 21 18 13 8
	17 17 18 18 18 19 32 19 20 20 21 21 22 22 23 24 24 25 26 26 27 28 29 30 31 1 2 3 4 5 6 7
27	18 23 30 5 14 6 2 14 26 8 22 6 22 8 26 14 2 24 14 6 30 24 18 14 10 8 27 26 25 22 19 14
	17 17 18 18 32 19 19 19 20 20 21 21 22 22 23 24 24 25 26 26 27 28 29 30 31 1 2 3 4 5 6
28	12 17 22 29 5 13 23 1 13 25 7 21 5 21 7 25 13 1 23 13 5 29 23 17 13 9 7 26 27 26 23 20
	17 17 17 17 32 18 18 19 19 19 20 20 21 21 22 22 23 24 24 25 26 26 27 28 29 30 31 1 2 3 4 5
29	0 11 16 4 28 4 12 22 32 12 24 6 20 4 20 6 24 12 32 22 12 4 28 22 16 12 8 6 29 28 27 24
	17 17 17 32 17 18 18 18 18 18 19 19 20 20 21 21 22 22 23 23 24 25 26 26 27 28 29 30 31 1 2 3 4
30	4 7 3 15 21 27 3 11 21 31 11 23 5 19 3 19 5 23 11 31 21 11 3 27 21 15 11 7 6 30 29 28
	17 17 32 17 17 17 18 18 18 18 18 19 19 20 20 21 21 22 22 23 23 24 25 26 26 27 28 29 30 31 1 2 3
31	2 2 6 10 14 20 26 2 10 20 30 10 22 4 18 2 18 4 22 10 30 20 10 2 26 20 14 10 6 4 31 30
	17 32 17 17 17 17 17 18 18 18 18 19 19 20 20 21 21 22 22 23 23 24 25 26 26 27 28 29 30 31 1 2
32	1 1 3 5 9 13 19 25 1 9 19 29 9 21 3 17 1 17 3 21 9 29 19 9 1 25 19 13 9 5 3 32
	32 17 17 17 17 17 17 17 18 18 18 18 18 19 19 90 90 91 91 99 99 99 93 94 95 96 96 97 98 90 90 91 1

b. Primary classification 18 over 30



c. Primary classification 11 over 27



d. Primary classification 3 over 25



e. Primary classification 19 over 17



Primary classification analysis

To file fingerprint records by the primary classification, a reasonable distribution of codes over the 1024 classifications had to be considered. Fingerprint technicians took into account the phenomenon of different populations across a geographical location and it was best determined that the ten digits should be assigned numerical values (in most cases) in the following way: 1=16, 2=16, 3=8, 4=8, 5=4, 6=4, 7=2, 8=2, 9=1 and 10=1. Thus the total numerical values of the even digits plus 1 for consistency is reflected as the numerator of the primary classification code while the total numerical values of the odd digits plus 1 for consistency is reflected as the denominator of the primary classification code.



However, today most agencies or departments do not file fingerprints according to the Henry System of Fingerprint Classification and Filing, they using the Automated Fingerprint Identification System (AFIS) and (IAFIS) entry and comparison to store and retrieve fingerprint minutiae.



In Fingerprint Geometric Analysis the concept of the primary classification is presented from a different perspective. The 1024 classification codes of the primary are displayed in a multi-sequential primary classification chart which is an example of the Fingerprint Diagonal Reverse Sequence Arrangement. With this an individual code can reside within up to three different locations forming a geometric design which is triangular or linear. There is however additional adjustments. The numerical values are assigned to the digits in a different way. Here we take into account the frequency of whorl patterns over the ten set of fingerprints. Fingerprints on digits with a high frequency of whorls are assigned a lower numerical value while fingerprints with a low frequency of whorls are assigned a higher numerical value. This would make all pattern frequencies more equal to the other. As before the addition of 1 to the numerical value(s) for consistency is included and the values of the right hand are presented over the values of the left hand instead of the value of even digits over odd.

Male frequency of whorl patterns

or each r	hand:										
igits wit	h the highes	t frequency	y of whorls	is assigned	the lower	t number.					
igits wit	h the lowest	t frequency	of whorls	is assigned	the higher	t number.					
Digit	Number	1	2	3	4	5	6	7	8	9	10
ine No.	NCIC FPC				Display of	the Frequ	ency of W	horls:			
103	PI	1046615	2601211	787299	997497	94061	2407512	1074206	1296150	3567425	1163027
104	CI	66614	551942	123766	180728	35151	147798	277035	362973	1482915	567567
105	dl	82436	488927	81429	17197	1139	2206636	266744	256940	297877	171900
106	XI	2379	48364	3584	4302	343	1998	16032	3619	5120	616
107	PM	1234283	1001221	774319	1733535	300817	434288	784084	533591	551268	94491
108	CM	1954	32999	15804	55616	18318	1017	40927	13149	25495	5874
109	dM	105401	58523	26302	18043	3106	67116	56294	19270	6444	1912
110	XM	1098	20264	2180	3737	553	1172	21848	3162	1702	309
111	PO	3962126	735116	985263	3908637	1728667	780220	2105657	506971	211295	20543
112	co	123232	201011	322305	1348378	600842	40379	367016	53857	41469	8181
113	dO	1589114	93328	90598	120034	73117	74704	260399	27801	2445	471
114	XO	1470	8236	1322	5538	887	1591	49643	3976	793	75
	Total	8216722	5841142	3214171	8393242	2857001	6164431	5319885	3081459	6194248	2034966
lo. Assn.	To Digits:	2	4	8	1	16	2	4	8	1	16
		Thumb	Index	Middle	Ring	Little					
lo. Assn.	RIGHT	2	4	8	1	16 _A	dd the val	ue of the r	ight hand o	figits plus 1	for consisten
o Digits:	LEFT	2	4	8	1	160	ver the val	lue of the l	eft hand d	jeits plus 1	for consistence
Finger	print Diag	onal Rev	erse Seq	uence A	rangem	ent	This study	included 4	,313,521 fe	emales.	
Finger; Number For each	print Diag assigned to hand:	onal Rev the digits in	erse Seq n the Prima	uence Ar	rangem ation:	ent (Female Fr	This study equencies)	included 4	,313,521 fe	emales.	
Finger; Number For each Digits wi	print Diag assigned to hand: ith the highe	onal Rev the digits in	erse Seq n the Prime	uence Ar ry Classific	rangem ation: d the lowe	ent (Female Fre st number	This study equencies)	included 4	,313,521 fe	emales.	
Finger; Number For each Digits wi Digits wi	print Diag assigned to hand: ith the highe ith the lowe	onal Rev the digits in st frequence	erse Seq n the Prima cy of whork y of whork	uence Ai ny Classific s is assigne is assigne	rrangem ation: d the lowe	ent (Female Fri ist number, ist number,	This study equencies)	included 4	,313,521 fe	emales.	
Fingers Number For each Digits wi Digits wi Digit	print Diag assigned to hand: ith the highe ith the lower Number	onal Rev the digits in st frequence 1	erse Seq n the Primu cy of whort y of whorts 2	uence Ai ry Classific is assigne is assigne 3	rtangem ation: d the lowe d the highe 4	ent (Female Fro st number, st number, S	This study equencies)	included 4	,313,521 fe	emales. 9	10
Finger; Number For each Digits wi Digits wi Digit Line No.	print Diag assigned to hand: th the highe th the lower Number NCIC FPC	onal Rev the digits in st frequence 1	erse Seq n the Primu cy of whorls 2	uence Ai ry Classific is assigne is assigne 3	rtangem ation: d the lowe d the highe 4 Display o	ent (Female Fro st number, st number, 5 f the Frequ	This study equencies) 6 aency of W	included 4 7 Vhorls:	,313,521 fe	emales. 9	10
Finger; Number For each Digits wi Digits wi Digit Line No. 103	print Diag assigned to hand: ith the lowe Number NCIC FPC PI	onal Rev the digits in st frequence 1 176056	erse Seq n the Primu cy of whorls 2 516946	uence Ar ry Classific is assigned is assigned 3 102657	d the lowe d the lowe d the highe 4 Display o 131562	ent (Female Fro st number st number 5 f the Frequ 11562	This study equencies) 6 sency of W 513877	included 4 7 Vhorls: 226992	,313,521 fe 8 249219	emales. 9 733130	10 241970
Finger; Number For each Digits wi Digits wi Digit Line No. 103 104	print Diag assigned to hand: th the lighe th the lower Number NCIC FPC PI CI	onal Rev the digits in st frequence 1 176056 12180	erse Seq n the Prima cy of whork 2 516946 103400	uence Ai ny Classific is assigner 3 102657 14569	d the lower d the lower d the higher d Display o 131562 33061	ent in (Female Fri est number, st number, 5 f the Frequ 11562 6059	This study equencies) 6 aency of V 513877 33603	7 7 10orls: 226992 61533	8 249219 80154	9 733130 355477	10 241970 132491
Fingers Number For each Digits wi Digits wi Digit Line No. 103 104 105	print Diag assigned to hand: th the highe th the lower Number NUTC FPC PI CI dI	onal Rev the digits in st frequence 1 176056 12180 12893	erse Seq n the Prima cy of whork 2 5169466 103400 75349	uence Ar ry Classific s is assigner 3 102657 14569 7942	rrangem ation: d the lowe d the highe 4 Display o 131562 33061 1763	ent (Female Fri ist number. 5 f the Freq 11562 6059 120	This study equencies) 6 aency of W 513877 33603 467944	7 7 1 horis: 226992 61533 49061	8 249219 80154 38013	9 733130 355477 41593	10 241970 132491 19485
Fingers Number For each Digits wi Digits wi Digit Line No. 103 104 105 106	print Diag assigned to hand: th the highe th the lower Number NCIC FPC PI CI dI XI	onal Rev the digits in st frequence 1 176056 12180 12893 369	erse Seq n the Prima cy of whorls 2 516946 103400 75349 9 7935	uence Ar ry Classific s is assigner 3 102657 14569 7942 469	d the lowed d the lowed d the higher 4 Display o 131662 33061 1763 463	ent (Female Fro st number. 5 f the Frequ 11562 6059 120 30	This study equencies) 6 aency of W 513877 33603 467944 551	7 7 7 7 7 100rls: 226992 61533 49061 2324	8 249219 80154 38013 601	9 733130 355477 41593 1157	10 241970 132491 19485 145
Finger; Number For each Digits wi Digits wi Digits wi Digit Line No. 103 104 105 106 107	print Diag assigned to hand: th the lower Number Number CI dI XI PM	the digits in st frequence threquence 176056 12180 12893 369 249538	erse Seq n the Prima y of whorls 2 5169466 103400 75349 7935 264070	uence A ry Classific is assigner 3 102657 14569 7942 469 130160	rrangem ation: d the lowe 4 Display o 131562 33061 1763 463 288478	ent (Female Fro st number, 5 f the Freq 11562 6059 120 30 30 45842	This study equencies) 6 513877 33603 467944 551 138410	7 7 7 100015: 226992 61533 49061 2324 189608	8 249219 80154 38013 601 121402	9 733130 355477 41593 1157 145009	10 241970 132491 19485 145 31994
Fingers Number For each Digits wi Digits wi Digit Une No. 103 104 105 106 107 108	print Diag assigned to hand: th the higher th the lower NGC FPC PI CI dI XI PM CM	conal Rev the digits in st frequence 1 176056 12180 12893 369 249533 473	erse Seq n the Prima cy of whork 2 516946 103400 75349 7935 264070 8000	uence A ry Classifie is assigne 3 102657 14569 7942 469 130160 2544	rrangem ation: d the lowe d the higher 4 Display o 131562 33061 1763 463 286478 14582	ent ((Female Fro st number, st number, 5 f the Freq 11562 6059 120 30 45842 4634	This study equencies) 6 513877 33603 467944 551 138410 448	7 7 7 7 7 1 8 9 9 9 1 8 9 0 8 9 4 6 4 5 9 4 6 4 5 9 4 6 4 5 9 4 6 4 5 9 4 6 4 5 9 2 2 6 9 9 2 7 8 9 9 2 7 9 1 2 7 9 1 2 7 9 1 2 7 9 1 2 7 9 1 2 7 9 1 7 7 1 9 1 7 7 1 9 1 7 1 9 1 7 1 9 1 7 1 9 1 7 1 9 1 7 1 9 1 7 1 9 1 1 1 1	8 249219 80154 38013 601 121402 4409	9 733130 355477 41593 1157 145809 11504	10 241970 132491 19485 145 31994 3516
Fingers Number For each Digits wi Digit wi Digit Uine No. 103 104 105 106 107 108 109	print Diag assigned to hand: th the higher th the lower Number NUM PI CI dI XI PM CM dM	onal Rev the digits in st frequence 1 176056 12180 12893 369 249538 4733 27868	erse Seq n the Primu cy of whorls 2 516946 103400 75349 7935 264070 8000 14337	uence A ry Classifie is assigne 3 102657 14569 7942 469 130160 2544 3858	rrangem ation: d the lowe d the highe 4 Display o 131562 33061 131562 33061 131562 33061 13562 326478 463 286478 14562 2424	ent (Female Fro st number, 5 f the Frequencies 11662 6059 120 30 45842 46344 4566	This study equencies) 6 513877 33603 467944 551 138410 448 25295	7 7 1borbs: 226992 61533 49061 2324 189608 9464 11948	8 249219 80154 38013 601 121402 4409 3464	9 733130 355477 41593 1157 115009 11504 1152	10 241970 132491 19485 145 31994 3516 409
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Finger; Number For each Digits wi Digits wi Digits wi Digits wi 103 104 105 106 107 108 109 110 111 112 113 114	print Diag assigned to hand: th the highe th the lowe Number NCIC FPC PI CI dI XI PM CM dM XM PO CO dO XO Total	onal Rev the digits in st frequency is frequency 1 176056 12100 12893 3099 249538 473 27866 242 27018 371200 2011 371200 2021	erse Seq n the Primu y of whorls 2 516946 103400 75349 7935 264070 8000 14337 3554 197879 53649 25023 1379	uence A ry Classifie is assigner 3 102657 14569 7942 469 130160 2544 3858 260 177728 57656 15716 15716	d the lower d the lower d the higher ation: d the lower d ation: atio: atio: atio: atio: atio: atio: atio:	ent (Female Fri (Female Fri st number, 5 6 the Frequ 11562 6059 120 30 45842 4634 5666 83 244097 102223 7785 134	This study equencies) 6 eency of W 513877 33603 467944 551 138410 4488 25295 537 244236 16434 23021 557 164913	7 7 7 7 10 orls: 2265992 61533 49061 2324 189608 9464 11948 4537 500646 102705 50008 11288 122014	8 249219 80154 38013 601 121402 4409 3464 721 125241 18030 5013 958	9 733130 355477 41593 1157 145809 11504 11112 474 56460 17877 475 189	10 241970 132491 1485 145 3516 409 102 6228 3656 61 224 24
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Primary classification analysis

Male & Female Frequency of Whorl Patterns

Digit	Number	1	2	3	4	5	6	7	8	9	10
				+ 1	Male Frequ	encies	+				
103	PI	1046615	2601211	787299	997497	94061	2407512	1074206	1296150	3567425	1163027
104	CI	66614	551942	123766	180728	35151	147798	277035	362973	1482915	567567
105	dl	82436	488927	81429	17197	1139	2206636	266744	256940	297877	171900
106	XI	2379	48364	3584	4302	343	1998	16032	3619	5120	616
107	PM	1234283	1001221	774319	1733535	300817	434288	784084	533591	551268	9449
108	CM	1954	32999	15804	55616	18318	1017	40927	13149	25495	587-
109	dM	105401	58523	26302	18043	3106	67116	56294	19270	6444	191
110	XM	1098	20264	2180	3737	553	1172	21848	3162	1702	30
111	PO	3962126	735116	985263	3908637	1728667	780220	2105657	506971	211295	2054
112	CO	123232	201011	322305	1348378	600842	40379	367016	53857	41469	818
113	dO	1589114	93328	90598	120034	73117	74704	260399	27801	2445	47
114	xo	1470	8236	1322	5538	887	1591	49643	3976	793	7
				4 1	emale Fre	quencies	4				
103	PI	176056	516946	102657	131562	11562	513877	226992	249219	733130	24197
104	CI	12180	103400	14569	33061	6059	33603	61533	80154	355477	13249
105	dl	12893	75349	7942	1763	120	467944	49061	38013	41593	1948
106	XI	369	7935	469	463	30	551	2324	601	1157	14
107	PM	249538	264070	130160	286478	45842	138410	189608	121402	145809	3199
108	CM	473	8000	2544	14582	4634	448	9464	4409	11504	351
109	dM	27868	14337	3858	2424	566	25295	11948	3464	1112	40
110	XM	242	3554	260	670	83	537	4537	721	474	10
111	PO	739816	197879	177728	768509	244097	244236	500646	125241	56460	622
112	co	27018	53649	57656	321550	102323	16434	102705	18030	17877	365
113	dO	371200	25023	15716	20763	7785	23021	50008	5013	475	6
114	xo	262	1379	190	1146	134	557	11288	958	189	2
	Total	9834637	7112663	3727920	9976213	3280236	7629344	6539999	3728684	7559505	247504
	To Digits	2	4	8	1	16	1	4	8	2	1



What is also essentially paramount to this analysis is the dimensions of the multi-sequential primary classification chart. The length of each side of the chart must be 9131 units of measurement to provide a perimeter of 36524 units of measurement. The presentation of this on a monitor must be reflected in the computer application. In this way accurate information for analysis will be provided.



The great pyramid Khufu at Giza, Egypt

- i. Each side of the base of the Great Pyramid is 9131 pyramid inches. (A pyramid inch is 2.5426924 centimeters.) This gives us a perimeter of 36524 pyramid inches (9131 x 4 = 36524).
- ii. 36524 pyramid inches expresses three units of time; 365 for 365 days in a year, 52 for 52 weeks in a year and 24 for 24 hours in a day! In addition, 36524.22 = the number of days in 100 years.

The great pyramid

9131 Pyramid inches = 365.2422 Royal Egyptian Cubits.



"This appears not to be a coincidence because the length of each side of the Great Pyramid's base is 365.2422 Royal Egyptian Cubits" ("pyramid cubits").



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NCIC FPC filing sequence formula

This concept can be applied to the National Crime Information Center Finger Print Classification (NCIC FPC) Filing Sequence Formula.

Let us see how this works

NCIC FPC Filing Sequence Formula

ach	code	for the	NCIO	FPC	is assig	gned	a ni	imber o	fthe	115 p	ossible			
PI	-	0.1	17		2.9	45	-	5.7	73	-	8.5	AA		11.
PM	-	0.2	18	-	3	46	-	5.8	74	-	8.6	SR	-	11.
PO	-	0.3	19	-	3.1	47	=	5.9	75	-	8.7	XX		11.
CI	-	0.4	20	-	3.2	48	-	6	76	-	8.8			
CM	-	0.5	21	-	3.3	49	-	6.1	77	-	8.9			
co	-	0.6	22		3.4	50	-	6.2	78	-	9			
DI	-	0.7	23		3.5	51		6.3	79	-	9.1			
DM	-	0.8	24		3.6	52	-	6.4	80	-	9.2			
DO	=	0.9	25	-	3.7	53	=	6.5	81	-	9.3			
XI	=	1	26	=	3.8	54	=	6.6	82	=	9.4			
XM	-	1.1	27		3.9	55		6.7	83	-	9.5			
xo	-	1.2	28		- 4	56		6.8	84		9.6			
01	=	1.3	29	=	4.1	57	=	6.9	85	-	9.7			
02	-	1.4	30		4.2	58	=	7	86	-	9.8			
03	=	1.5	31	=	4.3	59	=	7.1	87	-	9.9			
0.4	-	1.6	32	-	4.4	60	-	7.2	88	-	10			
05	-	1.7	33	-	4.5	61	=	7.3	89	-	10.1			
06	=	1.8	34	=	4.6	62	=	7.4	90	=	10.2			
07	-	1.9	35		4.7	63		7.5	91	-	10.3			
08	-	2	36	-	4.8	64	=	7.6	92	-	10.4			
09	-	2.1	37	-	4.9	65	=	7.7	93	-	10.5			
10	-	2.2	38	-	5	66	=	7.8	94	-	10.6			
11	=	23	39	-	5.1	67	=	7.9	95	-	10.7			
12		2.4	40	-	5.2	68		8	96		10.8			
13	-	2.5	41	-	5.3	69	-	8.1	97	-	10.9			
14	-	2.6	42		5.4	70	-	8.2	98	-	11			
15		2.7	43	-	5.5	71		8.3	99		11.1			
16	-	2.8	44		5.6	72		8.4	TT	-	11.2			

The NCIC FPC contains 20 characters, each pair of characters represents one digit beginning with the right thumb as the No. 1 digit and ending with the left little finger as the No. 10 digit; the left thumb is hen No. 6. For every consecutive pair of characters, one code can be assigned out of a possible 115 codes (from PI to XX). This means that there are actually only 10 individual segments for the NCIC FPC code, with each one maintaining a pair of the 20 characters to represent an individual code. Let (X) equal the number of assigned to the NCIC FPC code. Each of the ten segments with the exception of segment #1, must be assigned a decimal number which shall be added to the assigned number for the given NCIC FPC Code.

Digit	1	2	3	4	5	6	7	8	9	10	
Number Assigned	X	X.00001	X.00002	X.00003	X.00004	X.00005	X.00006	X.00007	X.00008	X.00009	

This adding of the decimal number to the assigned number for the NCIC FPC code must be done in order to establish a unique numerical value to each segment of the ten-segment unit. Segment number 1, however, need not be assigned a decimal value because the other nine segments maintain an identity distinguishable from it. (The reason for choosing #1 segment as the one which shall not be assigned a decimal value is because #1 segment is the only segment which can provide

us with the lowest possible number in the calculation if no decimal was to be added to it.) It can be noted that in this way no two or more segments can provide the same exact number. Furthermore, no two NCIC FPC codes can provide the same filing number, even if the original code appeared in a reverse sequence.

NCIC FPC Code	14	XX	AA	co	04	SR	59	TT	DM	10
Number Assigned To The Given Code	2.6	11.5	11.3	0.6	1.6	11.4	7.1	11.2	0.5	2.2
Decimal Added To The Assigned Number	2.6	11.50001	11.30002	0.60003	1.60004	11.40005	7.10006	11.20007	0.80008	2.20009

After the decimal number is added to the assigned number for the NCIC FPC code, multiplication takes place. That is, #1 segment times #2 segment and that product multiplied by #3 segment, and so on until #10 segment has been included in the multiplication. The end product shall provide the filing cation for the given NCIC FPC code. When there are ten segments and 115 possible codes for each segment, the total number of combinations is 404,555,773,570,791,015,625.

NCIC FPC filing sequence formula

Example:

- i. (2.6) X (11.50001) X (11.30002) X (0.60003) X(1.60004) X (11.40005) X (7.10006) X (11.20007) X (0.80008) X (2.20009) = 517,628.2327.
- ii. In conclusion, the NCIC FPC code, 14XXAACO04SR59TTDM10.
- iii. Would be filed as 517,628.2327 between.
- iv. 0.00000000100451 and 40,457,160,428.

This formula was designed to encourage the development of a computer application that would display the geometric location of an NCIC FPC code so that it can be applied to the Fingerprint Diagonal Reverse Sequence Arrangement.

Acknowledgments

None.

Conflicts of interest

The author declares that there are no conflicts of interest.