

# Work on Recreation of Numbers

Inder J. Taneja<sup>1</sup>

## Contents

<b>1 Recreation of Numbers</b>	<b>2</b>
1.1 General	2
1.2 Crazy Representations	2
1.2.1 Numbers from 0 to 300000	2
1.2.2 Different Kind of Representations	3
1.2.3 Permutable Power Representations	3
1.3 Running Expressions	4
1.4 Single Digit and Letter Representations	4
1.4.1 Single Digit	4
1.4.2 Single Letter	5
1.5 Narcissistic-Type	5
1.6 Selfie Expressions	5
1.7 Selfie Numbers	6
1.7.1 Permutable, Basic Operations, Factorial and Square-Root	6
1.7.2 Fibonacci and Triangular	6
1.7.3 Binomial Coefficients	7
1.7.4 Quadratic and Cubic	7
1.7.5 Concatenation-Type	7
1.8 Semi-Selfie Numbers	7
1.9 Selfie Fractions	7
1.10 Equivalent Fractions	8
1.11 Amicable Numbers	8
1.12 Palindromic-Type Representations	8
1.13 Pythagorean Triples	9
1.14 Patterns in Prime Numbers	9
1.14.1 Fixed Digits Repetitions	9
1.14.2 Magic Square Type Palprimes	9
1.14.3 Prime Numbers in Prime Numbers	10
1.15 Power Expressions	10

---

<sup>1</sup>Formerly, Professor of Mathematics, Federal University of Santa Catarina, Florianópolis, SC, Brazil (1978-2012). Also worked at Delhi University, India (1976-1978).

**E-mail:** [ijtaneja@gmail.com](mailto:ijtaneja@gmail.com);

**Web-site:** <https://inderjtaneja.wordpress.com/>;

**Twitter:** @IJTANEJA; **Instagram:** @crazynumbers.

# 1 Recreation of Numbers

## 1.1 General

1. **Inder J. Taneja**, 2019 In Numbers, **Zenodo**, December 31, 2019, pp. 1-27, <https://doi.org/10.5281/zenodo.2529103>.
2. **Inder J. Taneja**, 2020 In Numbers: Mathematical Style - Revised, **Zenodo**, December 31, 2019, pp. 1-37, <https://doi.org/10.5281/zenodo.3596193>.
3. **Inder J. Taneja**, Factorial-Type Numerical Calendar, **Zenodo**, March 24, 2020, pp. 1-33, <https://doi.org/10.5281/zenodo.3726335>.
4. **Inder J. Taneja**, Geometrical, Numerical, and Symmetrical Representations for the Days of 2020. **Zenodo**, October 04, 2020, pp. 1-201, <https://doi.org/10.5281/zenodo.4065069>.
5. **Inder J. Taneja**, Factorial-Type Numerical Calendar 2021, **Zenodo**, December 16, 2020, pp. 1-31, <https://doi.org/10.5281/zenodo.4329889>.
6. **Inder J. Taneja**, 21 Mathematical Highlights for 2021, **Zenodo**, December 26, 2020, pp. 1-75, <https://doi.org/10.5281/zenodo.4394408>.
7. **Inder J. Taneja**, Hardy-Ramanujan Number - 1729, **Zenodo**, December 22, 2021, pp. 1-106, <https://doi.org/10.5281/zenodo.5799640>.
8. **Inder J. Taneja**, Mathematical Beauty of 2022 (Version 2), **Zenodo**, December 26, 2021, pp. 1-78, <https://doi.org/10.5281/zenodo.5805264>.
9. **Inder J. Taneja**, 23 and 2023 in Numbers and Patterns, **Zenodo**, December 22, 2022, pp. 1-51, <https://doi.org/10.5281/zenodo.7473340>.
10. **Inder J. Taneja**, Mathematical Representations of the Last Day of the Year 23 Written American Style: 12.31.23 (123123), **Zenodo**, December 19, 2023, pp. 1-13, <https://doi.org/10.5281/zenodo.10405771>.
11. **Inder J. Taneja**, Mathematical Aspects of 24 and 2024, **Zenodo**, December 19, 2023, pp. 1-40, <https://doi.org/10.5281/zenodo.10406530>.

## 1.2 Crazy Representations

### 1.2.1 Numbers from 0 to 300000

1. **Inder J. Taneja**, Crazy Sequential Representation: Numbers from 0 to 11111 in terms of Increasing and Decreasing Orders of 1 to 9, Jan. 2014, pp.1-161, <http://arxiv.org/abs/1302.1479>
2. **Inder J. Taneja**, Crazy Representations of Natural Numbers From 11112 to 20000, **Zenodo**, January 18, 2019, pp. 1-224, <https://doi.org/10.5281/zenodo.2543626>
3. **Inder J. Taneja**, Crazy Representations of Natural Numbers From 20001 to 40000, **Zenodo**, November 03, 2021, pp. 1-541, <https://doi.org/10.5281/zenodo.5642776>
4. **Inder J. Taneja**, Crazy Representations of Natural Numbers From 40001 to 60000, **Zenodo**, November 03, 2021, pp. 1-541, <https://doi.org/10.5281/zenodo.5642826>

5. **Inder J. Taneja**, Crazy Representations of Natural Numbers From 60001 to 80000, **Zenodo**, November 03, 2021, pp. 1-537, <https://doi.org/10.5281/zenodo.5642896>
6. **Inder J. Taneja**, Crazy Representations of Natural Numbers From 80001 to 100000, **Zenodo**, November 03, 2021, pp. 1-533, <https://doi.org/10.5281/zenodo.5642929>
7. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 100001 to 120000, **Zenodo**, December 11, 2021, pp. 1-527, <https://doi.org/10.5281/zenodo.5773381>.
8. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 120001 to 140000, **Zenodo**, December 11, 2021, pp. 1-524, <https://doi.org/10.5281/zenodo.5773384>.
9. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 140001 to 160000, **Zenodo**, December 11, 2021, pp. 1-526, <https://doi.org/10.5281/zenodo.5773386>.
10. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 160000 to 180000, **Zenodo**, December 11, 2021, pp. 1-521, <https://doi.org/10.5281/zenodo.5773388>.
11. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 180000 to 200000, **Zenodo**, December 11, 2021, pp. 1-526, <https://doi.org/10.5281/zenodo.5773390>.
12. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 200001 to 220000, **Zenodo**, January 08, 2022, pp. 1-529, <https://doi.org/10.5281/zenodo.5831196>.
13. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 220001 to 240000, **Zenodo**, January 08, 2022, pp. 1-534, <https://doi.org/10.5281/zenodo.5831198>.
14. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 240001 to 260000, **Zenodo**, January 08, 2022, pp. 1-532, <https://doi.org/10.5281/zenodo.5831200>.
15. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 260001 to 280000, **Zenodo**, January 08, 2022, pp. 1-537, <https://doi.org/10.5281/zenodo.5831206>.
16. **Inder J. Taneja**, Crazy Representations of Natural Numbers from 280001 to 300000, **Zenodo**, January 08, 2022, pp. 1-535, <https://doi.org/10.5281/zenodo.5831208>.

### 1.2.2 Different Kind of Representations

1. **Inder J. Taneja**, Natural Numbers From 1 to 20000 in Terms of **Fibonacci Sequence** and **Triangular Numbers**. **Zenodo**, February 3, 2019, pp. 1-491, <https://doi.org/10.5281/zenodo.2575093>.
2. **Inder J. Taneja**, Representation of Numbers from 1 to 10000 in Terms of Palindromic Digits 2022-2202, **Zenodo**, January 02, 2022, pp. 1-238, <https://doi.org/10.5281/zenodo.5813778>.
3. **Inder J. Taneja**, Representation of Numbers from 1 to 20000 in Terms of Palindromic Digits 1357-9-7531, **Zenodo**, January 06, 2022, pp. 1-266, <https://doi.org/10.5281/zenodo.5826240>.

### 1.2.3 Permutable Power Representations

1. **Inder J. Taneja**, Crazy Power Representations of Natural Numbers, RGMIA Research Report Collection, 19(2016), Art. 31, pp.1-71, <http://rgmia.org/papers/v19/v19a31.pdf>.
2. **Inder J. Taneja**, Flexible Power Representations of Natural Numbers, RGMIA Research Report Collection, 19(2016), Art 131, pp. 1-91, <http://rgmia.org/papers/v19/v19a131.pdf>.

3. **Inder J. Taneja**, Pyramidal Representations of Natural Numbers, RGMIA Research Report Collection, 19(2016), pp.1-95, Art 58, <http://rgmia.org/papers/v19/v19a58.pdf>.  
Site link: Pyramidal-Type Representations of Natural Numbers,  
<https://inderjtaneja.wordpress.com/2017/08/20/pyramidal-type-representations-of-natural-numbers>.
4. **Inder J. Taneja**, All Digits Flexible Power Representations of Natural Numbers From 11112 to 30000, **Zenodo**, , January 14, 2019, pp. 1-140, <https://doi.org/10.5281/zenodo.2539203>.
5. **Inder J. Taneja**, All Digits Flexible Power Representations of Natural Numbers From 30001 to 50000, **Zenodo**, , January 14, 2019, pp. 1-147, <https://doi.org/10.5281/zenodo.2539412>.
6. **Inder J. Taneja**, Permutable Power Minimum Length Representations of Natural Numbers from 0 to 20000, **Zenodo**, January, 30, 2019, pp. 1-288, <https://doi.org/10.5281/zenodo.2553326>.
7. **Inder J. Taneja**, Pyramid-Type Representations of Natural Numbers, **Zenodo**, February 5, 2020, **Zenodo**, pp. 1-213, <http://doi.org/10.5281/zenodo.3637662>.
8. **Inder J. Taneja**, Pyramid-Type Representations of Natural Numbers from 1001 to 10000, **Zenodo**, January 16, 2024, pp. 1-585, <http://doi.org/10.5281/zenodo.10520278>.

### 1.3 Running Expressions

1. **Inder J. Taneja** (2015), Running Expressions in Increasing and Decreasing Orders of Natural Numbers Separated by Equality Signs, RGMIA Research Report Collection, 18(2015), Article 27, pp.1-54. <http://rgmia.org/papers/v18/v18a27.pdf>.
2. **Inder J. Taneja** (2017), Running Expressions with Equalities: Increasing and Decreasing Orders - I, RGMIA Research Report Collection, 20(2017), Art. 33, pp. 1-57, <http://rgmia.org/papers/v20/v20a33.pdf>.
3. **Inder J. Taneja** (2017), Running Expressions with Equalities: Increasing and Decreasing Orders - II, RGMIA Research Report Collection, 20(2017), Art. 34, pp. 1-87, <http://rgmia.org/papers/v20/v20a34.pdf>.
4. **Inder J. Taneja** (2017), Fibonacci Sequence and Running Expressions with Equalities - I, RGMIA Research Report Collection, 20(2017), Art. 35, pp. 1-83, <http://rgmia.org/papers/v20/v20a35.pdf>.
5. **Inder J. Taneja**, Running Expressions with Triangular Numbers - I, **Zenodo**, December 21, 2019, <https://doi.org/10.5281/zenodo.2483327>.
6. **Inder J. Taneja** (2021). Crazy Running Equality Expressions With Factorial and Square-Root, **Zenodo**, December 06, 2021, pp. 1-464, <https://doi.org/10.5281/zenodo.5761752>

### 1.4 Single Digit and Letter Representations

#### 1.4.1 Single Digit

1. **Inder J. Taneja**, Single Digit Representations of Natural Numbers, Feb. 1015, pp.1-55, text <http://arxiv.org/abs/1502.03501>  
Site link: Single Digits Representations of Numbers from 1 to 20000,  
<https://inderjtaneja.wordpress.com/2019/01/01/single-letter-representations-of-numbers-from-1-to-20000>.

2. **Inder J. Taneja**, Single Digit Representations of Natural Numbers From 1 to 5000, **Zenodo** , January 14, 2019, <https://doi.org/10.5281/zenodo.2538893>.
3. **Inder J. Taneja**, Single Digit Representations of Natural Numbers From 5001 to 10000, **Zenodo**, January 14, 2019, <https://doi.org/10.5281/zenodo.2538897>.
4. **Inder J. Taneja**, Single Digit Representations of Numbers From 10001 to 15000, **Zenodo**, January, 26, 2019, pp. 1-510, <https://doi.org/10.5281/zenodo.2550414>.
5. **Inder J. Taneja**, Single Digit Representations of Numbers From 15001 to 20000, **Zenodo**, January, 26, 2019, pp. 1-510, <https://doi.org/10.5281/zenodo.2550440>.
6. **Inder J. Taneja**, Patterned Single Digits Representations of Natural Numbers, **Zenodo**, July 04, 2020, pp. 1-590, <https://doi.org/10.5281/zenodo.3930382>
7. **Inder J. Taneja**, Single Digit Representations of Natural Numbers From 20001 to 30000, **Zenodo**, March 21, 2022, pp. 1-1271, <https://doi.org/10.5281/zenodo.6373774>.
8. **Inder J. Taneja**, Single Digit Representations of Natural Numbers From 30001 to 40000, **Zenodo**, March 23, 2022, pp. 1-1269, <https://doi.org/10.5281/zenodo.6379827>.
9. **Inder J. Taneja**, Single Digit Representations of Natural Numbers From 40001 to 50000, **Zenodo**, March 23, 2022, pp. 1-1268, <https://doi.org/10.5281/zenodo.6379875>.

#### 1.4.2 Single Letter

1. **Inder J. Taneja**, Fraction-Type Single Letter Representations of Natural Numbers From 1 to 11111, **Zenodo**, February 4, 2019, pp. 1-203, <https://doi.org/10.5281/zenodo.2556902>.
2. **Inder J. Taneja**, Single Letter Representations of Natural Numbers from 1 to 11111, **Zenodo**, February 5, 2019, pp. 1-133, <https://doi.org/10.5281/zenodo.2557025>.
3. **Inder J. Taneja**, Single Letter Patterned Representations and Fibonacci Sequence Values. **Zenodo**, February 6, 2019, pp. 1-40, <https://doi.org/10.5281/zenodo.2558522>.
4. **Inder J. Taneja**, Patterned Single Letter Representations of Natural Numbers, **Zenodo**, July 02, 2020, pp. 1-110, <https://doi.org/10.5281/zenodo.3928507>

#### 1.5 Narcissistic-Type

1. **Inder J. Taneja**, Flexible Powers Narcissistic-Type Numbers, **Zenodo**, February 19, 2019, pp. 1-126, <https://doi.org/10.5281/zenodo.2572770>.
2. **Inder J. Taneja**, Fixed and Flexible Powers Narcissistic Numbers with Division, **Zenodo**, May 11, 2020, pp. 1-201, <https://doi.org/10.5281/zenodo.3820428>.

#### 1.6 Selfie Expressions

1. **Inder J. Taneja**, Same Digits Equalities Expressions, **Zenodo**, February 19, 2019, pp. 1-182, <https://doi.org/10.5281/zenodo.2573194>.
2. **Inder J. Taneja**, Factorial-Power Selfie Expressions, **Zenodo**, February 20, 2019, pp. 1-115, <https://doi.org/10.5281/zenodo.2573569>.

3. **Inder J. Taneja**, Selfie Expressions With Factorial, Fibonacci and Triangular Values, **Zenodo**, February 20, 2019, pp. 1-180, <https://doi.org/10.5281/zenodo.2574151>.
4. **Inder J. Taneja**, Same Digits Equality Expressions: Power and Plus, **Zenodo**, January 03, 2020, 2019, pp. 1-1729, <https://doi.org/10.5281/zenodo.3597506>.

## 1.7 Selfie Numbers

### 1.7.1 Permutable, Basic Operations, Factorial and Square-Root

1. **Inder J. Taneja**, Permutable Powers Selfie Numbers, **Zenodo**, February 15, 2019, pp. 1-227, <https://doi.org/10.5281/zenodo.2566445>.
2. **Inder J. Taneja**, Selfie Numbers: Basic Operations, **Zenodo**, March 26, 2019, pp. 1-134, <https://doi.org/10.5281/zenodo.2609143>.
3. **Inder J. Taneja**, Factorial-Type Selfie Numbers in Digit's Order, **Zenodo**, March 06, 2019, pp. 1-243, <https://doi.org/10.5281/zenodo.2585586>.
4. **Inder J. Taneja**, Factorial-Type Selfie Numbers in Reverse Order of Digits, **Zenodo**, March 06, 2019, pp. 1-227, <https://doi.org/10.5281/zenodo.2585599>.
5. **Inder J. Taneja**, Square-Root Type Selfie Numbers, **Zenodo**, July 06, 2019, pp. 1-248, <https://doi.org/10.5281/zenodo.3352388>.

### 1.7.2 Fibonacci and Triangular

1. **Inder J. Taneja**, Fibonacci Sequence and Selfie Numbers, **Zenodo**, February 19, 2019, pp. 1-233, <https://doi.org/10.5281/zenodo.2572044>.
2. **Inder J. Taneja**, Triangular-Type Selfie Numbers, **Zenodo**, February 17, 2019, pp. 1-91, <https://doi.org/10.5281/zenodo.2567571>.
3. **Inder J. Taneja**, Simultaneous Representations of Selfie Numbers in Terms of Fibonacci and Triangular Numbers, **Zenodo**, February 19, 2019, pp. 1-233, <https://doi.org/10.5281/zenodo.2574136>.
4. **Inder J. Taneja**, Triangular-Type Selfie Numbers: Digit's Order. **Zenodo**, April 11, 2019, pp. 1-240, <https://doi.org/10.5281/zenodo.2636787>.
5. **Inder J. Taneja**, Triangular-Type Selfie Numbers: Reverse Order of Digits. **Zenodo**, April 14, 2019, pp. 1-249, <https://doi.org/10.5281/zenodo.2639099>.
6. **Inder J. Taneja**, Fibonacci Sequence Type Selfie Numbers: Basic Operations. **Zenodo**, April 28, 2019, pp. 1-163, <https://doi.org/10.5281/zenodo.2653093>.
7. **Inder J. Taneja**, Fibonacci Sequence Type Selfie Numbers With Square-Root. **Zenodo**, October 10, 2019, pp. 1-206, <https://doi.org/10.5281/zenodo.3479255>.
8. **Inder J. Taneja**, Fibonacci Sequence Type Selfie Numbers with Factorial: Digit's Order. **Zenodo**, October 13, 2019, pp. 1-692, <https://doi.org/10.5281/zenodo.3484117>.
9. **Inder J. Taneja**, Fibonacci Sequence Type Selfie Numbers with Factorial: Reverse Order of Digits. **Zenodo**, October 13, 2019, pp. 1-742, <https://doi.org/10.5281/zenodo.3484119>.

### 1.7.3 Binomial Coefficients

1. **Inder J. Taneja**, Selfie Numbers With Binomial Coefficients, **Zenodo**, March 17, 2019, pp. 1-131, <https://doi.org/10.5281/zenodo.2596421>.
2. **Inder J. Taneja**, Selfie Numbers With Binomial Coefficients and Fibonacci Numbers. **Zenodo**, March 30, 2019, pp. 1-148, <https://doi.org/10.5281/zenodo.2617290>.
3. **Inder J. Taneja**, Binomial Coefficients Triangular Type Selfie Numbers: Basic Operations. **Zenodo**, April 25, 2019, pp. 1-72, <https://doi.org/10.5281/zenodo.2650508>.
4. **Inder J. Taneja**, Selfie Numbers With Binomial Coefficients, Triangular Numbers and Square-Root, **Zenodo**, May 10, 2019, pp. 1-209, <https://doi.org/10.5281/zenodo.2707318>.
5. **Inder J. Taneja**, Selfie Numbers With Binomial Coefficients, Triangular Numbers and Factorial, **Zenodo**, July 09, 2019, pp. 1-172, <https://doi.org/10.5281/zenodo.3273300>.

### 1.7.4 Quadratic and Cubic

1. **Inder J. Taneja**, Quadratic-Type Selfie Numbers, **Zenodo**, February 25, 2019, pp. 1-315, <https://doi.org/10.5281/zenodo.2577472>.
2. **Inder J. Taneja**, Cubic-Type Selfie Numbers, **Zenodo**, March 12, 2019, pp. 1-150, <https://doi.org/10.5281/zenodo.2591257>.

### 1.7.5 Concatenation-Type

1. **Inder J. Taneja**, Concatenation-Type Selfie Numbers With Factorial and Square-Root, **Zenodo**, March 08, 2019, pp. 1-43, <https://doi.org/10.5281/zenodo.2587751>.

## 1.8 Semi-Selfie Numbers

1. **Inder J. Taneja**, Semi-Selfie Numbers, **Zenodo**, February 12, 2019, pp. 1-394, <https://doi.org/10.5281/zenodo.2562390>.
2. **Inder J. Taneja**, Patterns in Selfie and Semi-Selfie Numbers. **Zenodo**, February 6, 2019, pp. 1-51, <https://doi.org/10.5281/zenodo.2563202>.
3. **Inder J. Taneja**, Power-Type Semi-Selfie Numbers and Patterns, **Zenodo**, July 16, 2019, pp. 1-130, <https://doi.org/10.5281/zenodo.3338366>.

## 1.9 Selfie Fractions

1. **Inder J. Taneja**, Selfie Fractions: Addable, Subtractable, Dottable and Potentiable, **Zenodo**, March 24, 2019, pp. 1-260, <https://doi.org/10.5281/zenodo.2604531>.
2. **Inder J. Taneja**, Pandigital Equivalent Selfie Fractions, **Zenodo**, April 02, 2019, pp. 1-392, <https://doi.org/10.5281/zenodo.2622028>.
3. **Inder J. Taneja**, Repeated Digits Selfie Fractions: Two and Three Digits Numerators, **Zenodo**, September 12, 2019, pp. 1-1091, <https://doi.org/10.5281/zenodo.3406655>.

4. **Inder J. Taneja** (2019). Different Digits Selfie Fractions: Two and Three Digits Numerators, **Zenodo**, September, 12, 2019, pp. 1-337, <https://doi.org/10.5281/zenodo.3406674> - Revised: <https://doi.org/10.5281/zenodo.3474091>.
5. **Inder J. Taneja**, Different Digits Selfie Fractions: Four Digits Numerator, **Zenodo**, October 06, 2019, pp. 1-844, <https://doi.org/10.5281/zenodo.3474267>
6. **Inder J. Taneja**, Different Digits Selfie Fractions: Five Digits Numerator - Pandigital, **Zenodo**, October 06, 2019, pp. 1-362, <https://doi.org/10.5281/zenodo.3474379>.
7. **Inder J. Taneja**, Patterned Selfie Fractions, **Zenodo**, October 27, 2019, pp. 1-267, <https://doi.org/10.5281/zenodo.3520096>.
8. **Inder J. Taneja**, Patterns in Splitted Selfie Fractions, **Zenodo**, July 30, 2023, pp. 1-122, <http://doi.org/10.5281/zenodo.8197701>.

## 1.10 Equivalent Fractions

1. **Inder J. Taneja**, Different Digits Equivalent Fractions - I, **Zenodo**, March 24, 2019, pp. 1-165, <https://doi.org/10.5281/zenodo.2604565>.
2. **Inder J. Taneja**, Different Digits Equivalent Fractions - II, **Zenodo**, March 24, 2019, pp. 1-244, <https://doi.org/10.5281/zenodo.2604738>.
3. **Inder J. Taneja**, Different Digits Equivalent Fractions: Single Digit Numerator, **Zenodo**, November 15, 2019, pp. 1-794, <https://doi.org/10.5281/zenodo.3543532>.
4. **Inder J. Taneja**, Different Digits Equivalent Fractions: Two Digits Numerator, **Zenodo**, November 15, 2019, pp. 1-794, <https://doi.org/10.5281/zenodo.3543752>.
5. **Inder J. Taneja**, Different Digits Equivalent Fractions: Three Digits Numerator, **Zenodo**, November 19, 2019, pp. 1-1014, <https://doi.org/10.5281/zenodo.3547874>.

## 1.11 Amicable Numbers

1. **Inder J. Taneja**, Amicable Numbers With Patterns in Products and Powers, **Zenodo**, March 05, 2019, pp. 1-25, <https://doi.org/10.5281/zenodo.2583306>.

## 1.12 Palindromic-Type Representations

1. **Inder J. Taneja**, Palindromic-Type Palindromes - I, **Zenodo**, January 15, 2019, pp. 1-99, <https://doi.org/10.5281/zenodo.2541174>.
2. **Inder J. Taneja**, Palindromic-Type Non-Palindromes - I, **Zenodo**, January 15, 2019, pp. 1-117, <https://doi.org/10.5281/zenodo.2541187>.
3. **Inder J. Taneja**, Palindromic-Type Squared Expressions with Palindromic and Non-Palindromic Sums - I, **Zenodo**, January 15, 2019, pp. 1-133, <https://doi.org/10.5281/zenodo.2541198>.



## 1.13 Pythagorean Triples

1. **Inder J. Taneja** (2019). Patterns in Pythagorean Triples Using Single and Double Variable Procedures, **Zenodo**, January 19, 2019, pp. 1-134, <https://doi.org/10.5281/zenodo.2544519>.
2. **Inder J. Taneja**, Multiple-Type Patterns and Pythagorean Triples, **Zenodo**, January 19, 2019, pp.1-53 <https://doi.org/10.5281/zenodo.2544527>.
3. **Inder J. Taneja**, Palindromic-Type Pandigital Patterns in Pythagorean Triples, **Zenodo**, January 20, 2019, pp. 1-160, <https://doi.org/10.5281/zenodo.2544551>.
4. **Inder J. Taneja**, Generating Pythagorean Triples, Patterns, and Magic Squares, **Zenodo**, January 20, 2019, pp. 1-121, <https://doi.org/10.5281/zenodo.2544555>.
5. **Inder J. Taneja**, Patterns in Pythagorean Triples, **Zenodo**, March 13, 2021, 1-136, <https://doi.org/10.5281/zenodo.4603197>.
6. **Inder J. Taneja** (2021-RG), Pandigital-Type and Pythagorean Triples Patterns, **Zenodo**, March 17, 1-750, <https://doi.org/10.5281/zenodo.4611511>.

## 1.14 Patterns in Prime Numbers

### 1.14.1 Fixed Digits Repetitions

1. **Inder J. Taneja**, Fixed Digits Repetitions Prime Patterns of Lengths 10, 9 and 8. **Zenodo**, February 8, 2019, pp. 1-175, <https://doi.org/10.5281/zenodo.2560640>.
2. **Inder J. Taneja**, Fixed Digits Repetitions Prime Patterns of Length 7, **Zenodo**, February 8, 2019, pp. 1-176, <https://doi.org/10.5281/zenodo.2560668>.
3. **Inder J. Taneja**, Fixed Digits Repetitions Prime Patterns of Length 6, **Zenodo**, February 9, 2019, pp. 1-303, <https://doi.org/10.5281/zenodo.2561096>.
4. **Inder J. Taneja**, Prime Numbers in Fixed Digits Repetitions Prime Patterns. **Zenodo**, November 10, 2020, pp. 1-280, <https://doi.org/10.5281/zenodo.4265818>
5. **Inder J. Taneja**, 4-Digits Prime Numbers in Fixed Digits Repetition Prime Patterns. **Zenodo**, November 29, 2020, pp. 1-1544, <https://doi.org/10.5281/zenodo.4295652>
6. **Inder J. Taneja**, Fixed Digits Repetitions Prime Patterns for 5-Digits Prime Numbers, **Zenodo**, January 17, 2021, <https://doi.org/10.5281/zenodo.4445395>

### 1.14.2 Magic Square Type Palprimes

1. **Inder J. Taneja**, Magic Squares Type Palprimes of Orders  $5 \times 5$ ,  $7 \times 7$  and  $9 \times 9$ , **Zenodo**, February 27, 2019, pp. 1-143, <https://doi.org/10.5281/zenodo.2578443>.
2. **Inder J. Taneja**, Same Digits Embedded Palprimes of Lengths 3, 5 and 7, **Zenodo**, August 08, 2020, pp. 1-315, <https://doi.org/10.5281/zenodo.3977028>
3. **Inder J. Taneja**, 3 and 5-Digits Multiple Choice Embedded Palprimes. **Zenodo**, December 05, 2020, pp. 1-511, <https://doi.org/10.5281/zenodo.4307875>

### 1.14.3 Prime Numbers in Prime Numbers

1. **Inder J. Taneja**, Prime Numbers in Prime Numbers Up To 5 Digits, **Zenodo**, July 16, 2019, pp. 1-265, <https://doi.org/10.5281/zenodo.3338679>

### 1.15 Power Expressions

1. **Inder J. Taneja**, Multiple Choice Power Expressions, **Zenodo**, February 15, 2019, pp. 1-143, <https://doi.org/10.5281/zenodo.2565729>.
-