

# Fibonacci Series C

## Fibonacci sequence

the Fibonacci sequence is a sequence in which each element is the sum of the two elements that precede it. Numbers that are part of the Fibonacci sequence...

## Fibonacci

Leonardo Bonacci (c. 1170 – c. 1240–50), commonly known as Fibonacci, was an Italian mathematician from the Republic of Pisa, considered to be “the most...

## Fibonacci heap

In computer science, a Fibonacci heap is a data structure for priority queue operations, consisting of a collection of heap-ordered trees. It has a better...

## Reciprocal Fibonacci constant

The reciprocal Fibonacci constant  $\phi$  is the sum of the reciprocals of the Fibonacci numbers:  $\phi = \sum_{k=1}^{\infty} \frac{1}{F_k}$   
 $\phi = \frac{1}{1} + \frac{1}{1} + \frac{1}{2} + \frac{1}{3} + \frac{1}{5} + \frac{1}{8} + \dots$

## Fibonacci cube

In the mathematical field of graph theory, the Fibonacci cubes or Fibonacci networks are a family of undirected graphs with rich recursive properties derived...

## Fibonacci coding

In mathematics and computing, Fibonacci coding is a universal code which encodes positive integers into binary code words. It is one example of representations...

## Golden spiral (redirect from Fibonacci spiral)

golden spiral. Another approximation is a Fibonacci spiral, which is constructed slightly differently. A Fibonacci spiral starts with a rectangle partitioned...

## Elliott wave principle (redirect from Fibonacci trading)

led him to conclude that “The Fibonacci Summation Series is the basis of The Wave Principle”; Numbers from the Fibonacci sequence surface repeatedly in...

## Lucas number (redirect from Lucas series)

closely related Fibonacci sequence. Individual numbers in the Lucas sequence are known as Lucas numbers. Lucas numbers and Fibonacci numbers form complementary...

## Golden ratio (redirect from Fibonacci's Section)

Kamil (c. 850–930) employed it in his geometric calculations of pentagons and decagons; his writings influenced that of Fibonacci (Leonardo of Pisa) (c. 1170–1250)...

## Recurrence relation (section Fibonacci numbers)

$k$  previous terms. A famous example is the recurrence for the Fibonacci numbers,  $F_n = F_{n-1} + F_{n-2}$ ...

## Mandelbrot set (redirect from $Z^2+c$ )

conform to the Fibonacci number sequence, the sequence that is made by adding the previous two terms – 1, 2, 3, 5, 8, 13, 21... The Fibonacci sequence manifests...

## Liber Abaci (section Fibonacci's notation for fractions)

1202 Latin work on arithmetic by Leonardo of Pisa, posthumously known as Fibonacci. It is primarily famous for introducing both base-10 positional notation...

## Fibonacci anyons

condensed matter physics, a Fibonacci anyon is a type of anyon which lives in two-dimensional topologically ordered systems. The Fibonacci anyon...

## Pisano period (category Fibonacci numbers)

the sequence of Fibonacci numbers taken modulo  $n$  repeats. Pisano periods are named after Leonardo Pisano, better known as Fibonacci. The existence of...

## Dijkstra's algorithm

radix heap and the well-known Fibonacci heap runs in time  $O(|E| + |V| \log C)$ . Finally, the best algorithms...

## 1,000,000,000

Unix time. 1,129,760,415 = 23rd Motzkin number. 1,134,903,170 = 45th Fibonacci number. 1,139,733,677 : number  $k$  such that the sum of the squares of the...

## Sequence (redirect from Sequence and series)

$b_n$  and  $c_n$ , where the subscript  $n$  refers to the  $n$ th element of the sequence; for example, the  $n$ th element of the Fibonacci sequence...

## Hash function (redirect from Fibonacci hashing)

$\text{unsigned hash}(\text{unsigned } K) \{ K \wedge= K \gg (w - m); \text{return } (a * K) \gg (w - m); \}$  Fibonacci hashing is a form of multiplicative hashing in which the multiplier is...

## Romanesco broccoli

sufficiently small. The number of spirals on the head of Romanesco broccoli is a Fibonacci number. The causes of its differences in appearance from the normal cauliflower...

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