Abstract:

Infinite Fibonacci Number Sequence Table > Weblink to the explanatory Study - by Dipl. Ing. (FH) Harry K. Hahn - 12. June 2019 - Update from 3. August 2020

A Fibonacci-Number-Sequences-Table was developed, which contains infinite Fibonacci-Sequences. This was achieved with the help of research results from an extensive botanical study. This study examined the phyllotactic patterns (Fibonacci-Sequences) which appear in the tree-species "Pinus mugo" at different altitudes (from 550m up to 2500m) With the increase of a ltitude above a round 2000m the phyllotactic patterns (different Fibonacci Sequences) grows from 3 to 12, and the relative frequency of the main Fibonacci Sequence decreases from 88% to 38% The appearance of more Fibonacci-Sequences in the plant clearly is linked to environmental (physical) factors changing with altitude. Especially changes in temperature - / radiation - conditions seem to be the main cause which defines which Fibonnacci -Patterns appear in which frequency. The developed (natural) Fibonacci-Sequence-Tables hows interestings patial dependencies between numbers of different Fibonacci-Sequences, which are connected to each other, by the golden ratio (constant Phi). In botany Phyllotaxis describes the arrangement of leaves on spiral paths on a plant's stem. Phyllotactic spirals form a distinctive class of patterns in nature. But the true cause of these phyllotactic spirals, which appear everywhere in nature, still isn't found yet! \rightarrow Please read my own hypothesis: \rightarrow Microscope Images indicate that Water Clusters are the cause of Phyllotaxis (Weblink 2)

