

All nature is full of examples of this fixed golden ratio or sequential ratio. According to it, any new element B arises in a Phi relation with its previous A and then its consequent C will again keep this ratio; and so will be on until the development (corresponding to its specie) ends.

Examples of this sequential Phi ( $\varphi$ ) developments are found in spiral formations as in some shells, conchs, petals arrangement in some flowers (roses, among others) the spiral formed by sunflower seeds, spirals of the leaves of a pineapple, artichokes, Romanesque broccoli (which even forms a fractal structure), spiral galaxies, etc., etc.; and, in all cases, the result is beautiful and interesting.

The golden ratio is also found in the number of petals that some flowers may have, starfish arms, mineral crystallization, in the veins of the leaves, in the distribution of these leaves on the branches of the trees, the ratio of size among these branches, etc.

A golden ratio (constant Phi) development or relation is present in all these entities, and much more.

Greek scholars were aware of this divine ratio. Euclid of Alexandria (300 years before the Christian era) already commented about it in his famous *Elements of Geometry*. This golden ratio has always attracted much attention from scholars and artists, who used it when designing their architectural, sculptural and painting works.