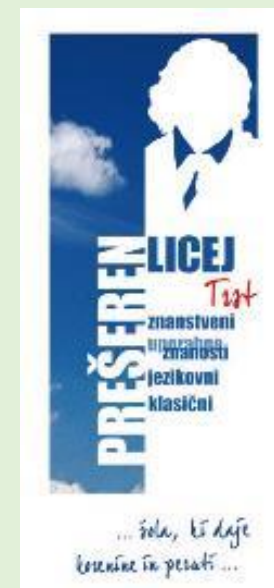




NASLOV

Predstavitev primerov dobrih praks

Avtor: Jasna Merku



NASLOV AKTIVNOSTI

geometrija v znanosti naravi in umetnosti

IME ŠOLE

Licej France Prešeren, Trst

DATUM IZVEDBE

1. marec 2023

ODDELEK

znanstveni licej

PREDMET

risanje in zgodovina umetnosti

UČITELJ

mag. Jasna Merkuš

GEOMETRIJA V ZNANOSTI NARAVI IN UMETNOSTI

UČNI CILJI

spoznavanje geometrijskih struktur v naravi
zlati rez
fotografija
herbarij in ilustracija
strukturalna/geometrijska analiza
modularna prostorska sestava

CILJ OZN št. 4

Kakovostno izobraževanje

Vsem enakopravno zagotoviti kakovostno izobraževanje ter spodbujati možnosti vseživljenskega učenja za vsakogar

POTEK IZVEDBE

TEORIJA

analiza primerov
ogled fotografij cvetov
geometrijska struktura

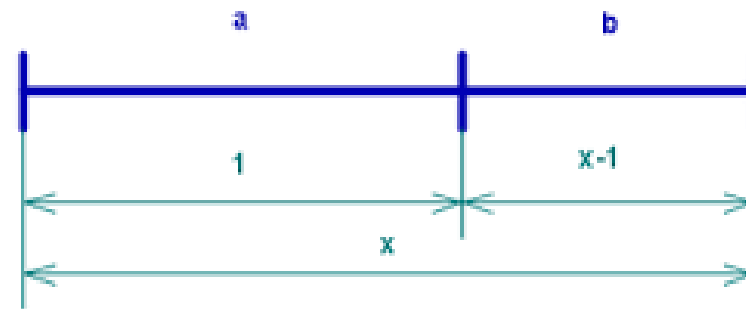
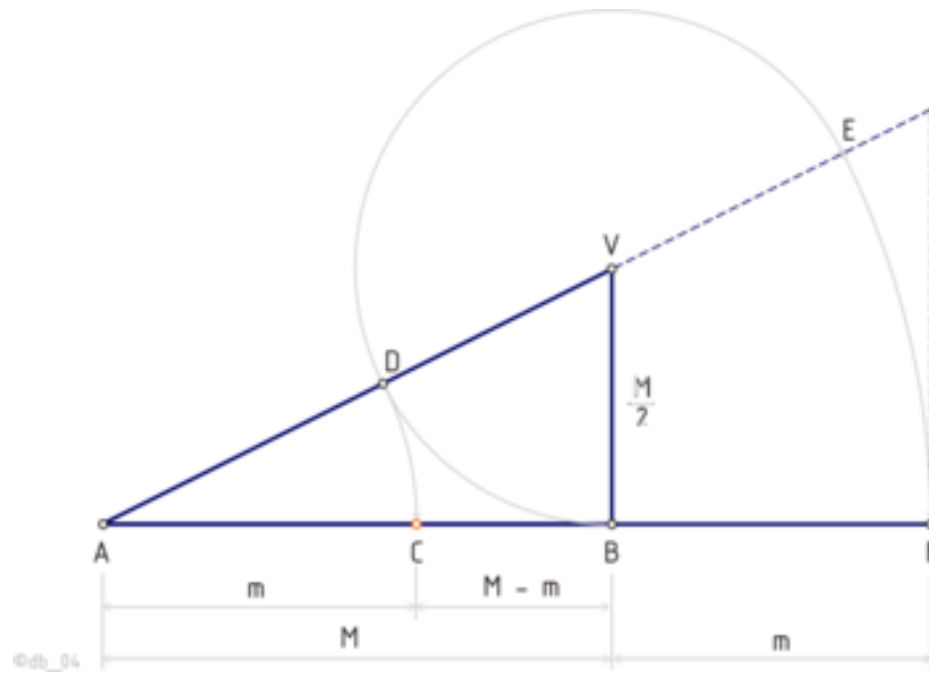
PRAKSA

izbrati cvet
fotografirati
izdelati naturalistično ilustracijo
narisati tehnično risbo z analizo geometrske strukture
izbira geometrijskega modula, prostorsko sestaviti fantazijsko rožo

REZULTATI

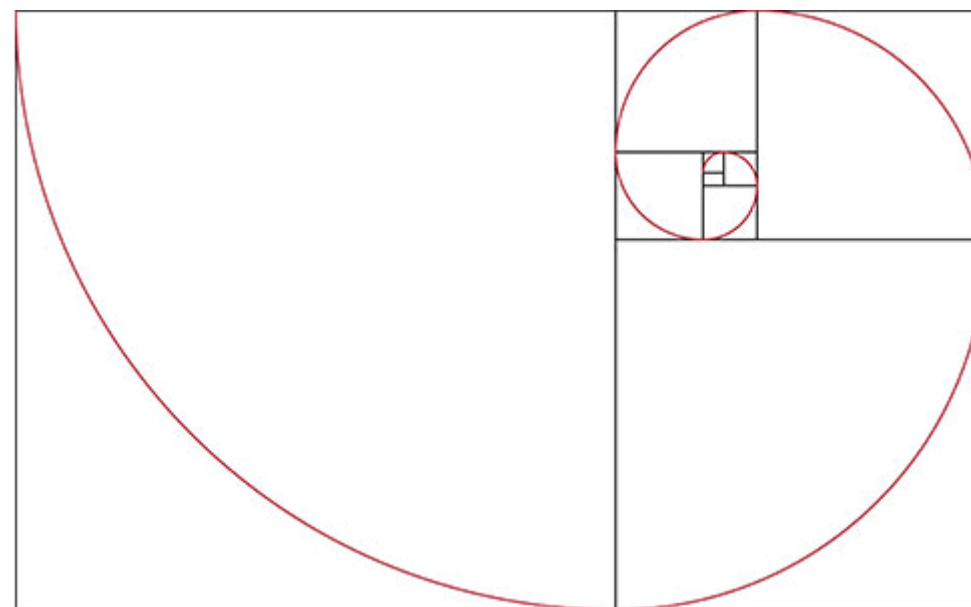
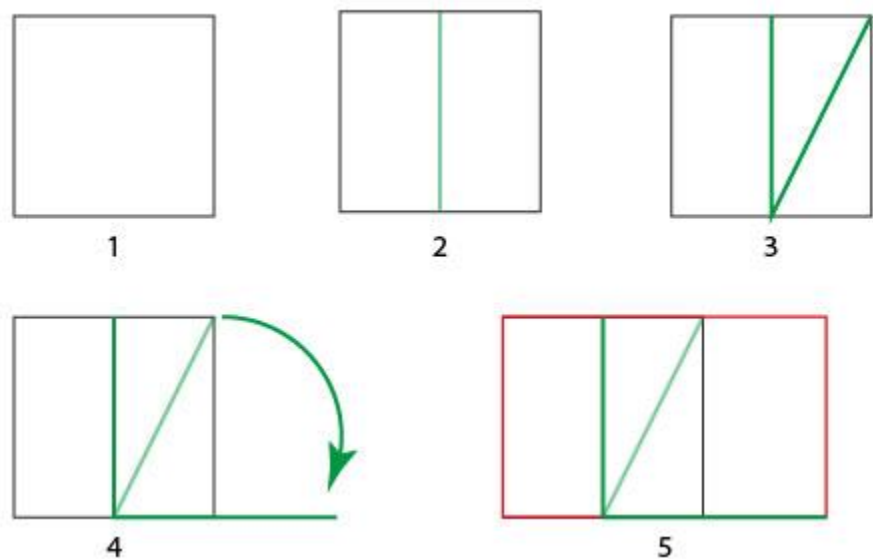
razlikovanje analitičnega znanstveno raziskovalnega pristopa
in domišljajske reinterpretacije na osnovi geometrijske modularnosti

zlati rez



$$a : b = (a+b) : a$$

v naravi prisotno sorazmerje, graditelj sveta

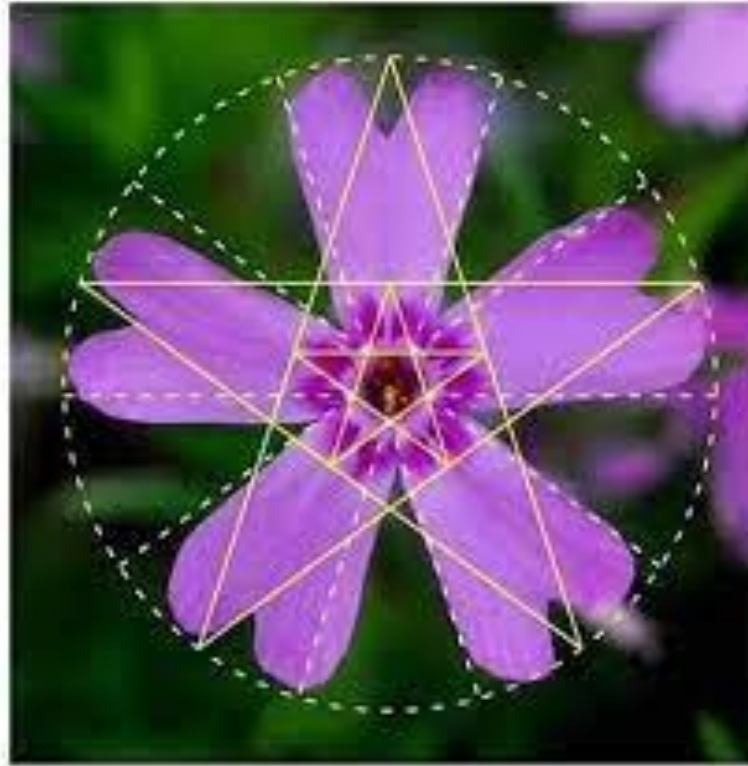
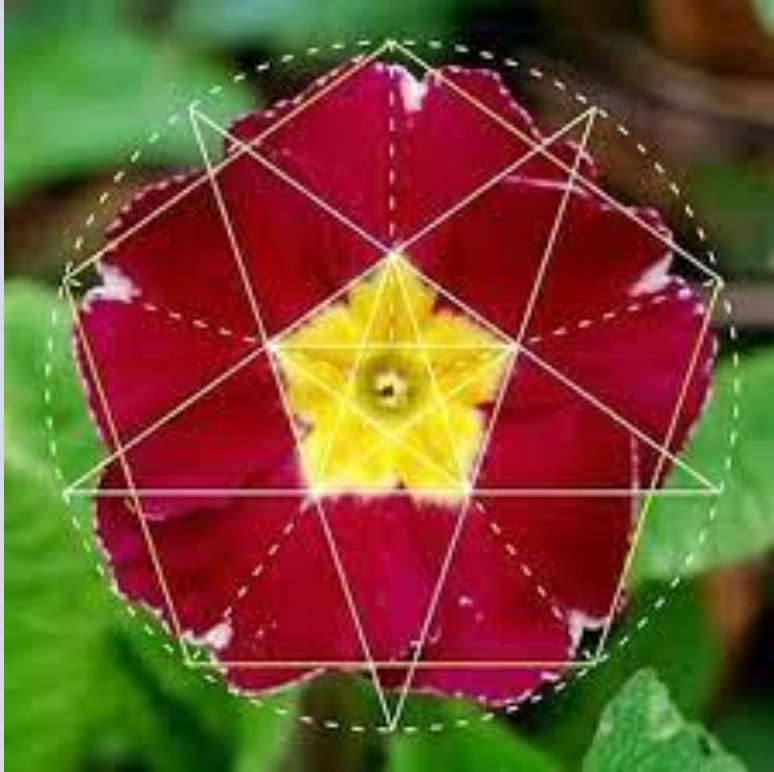


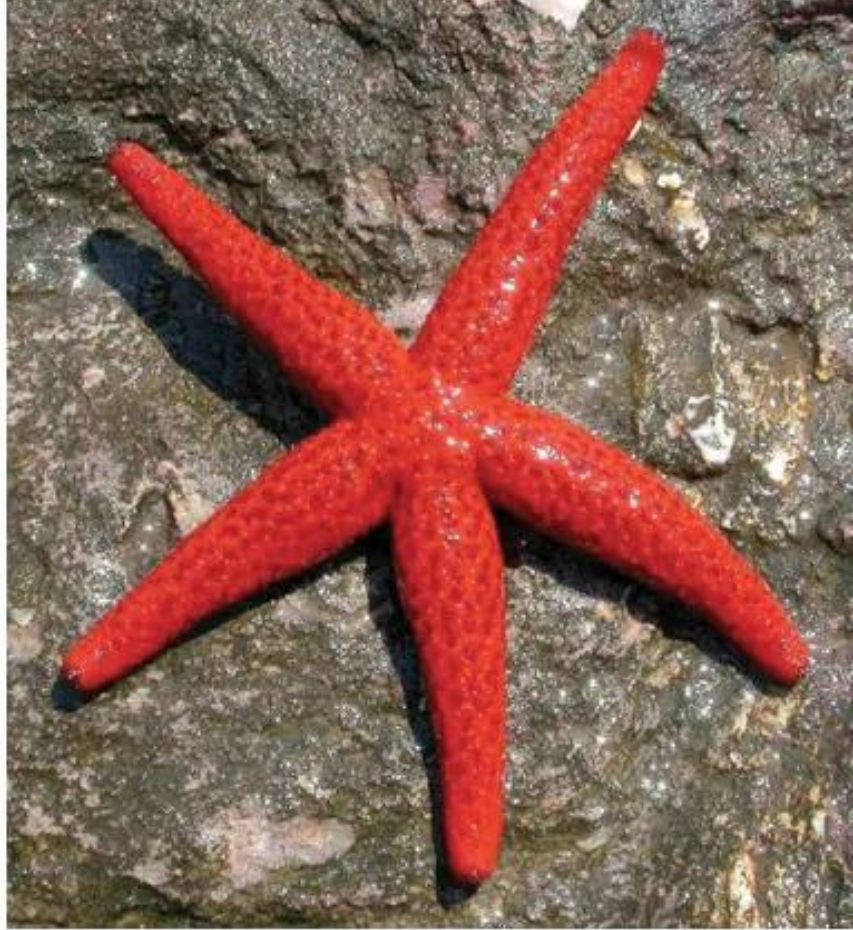
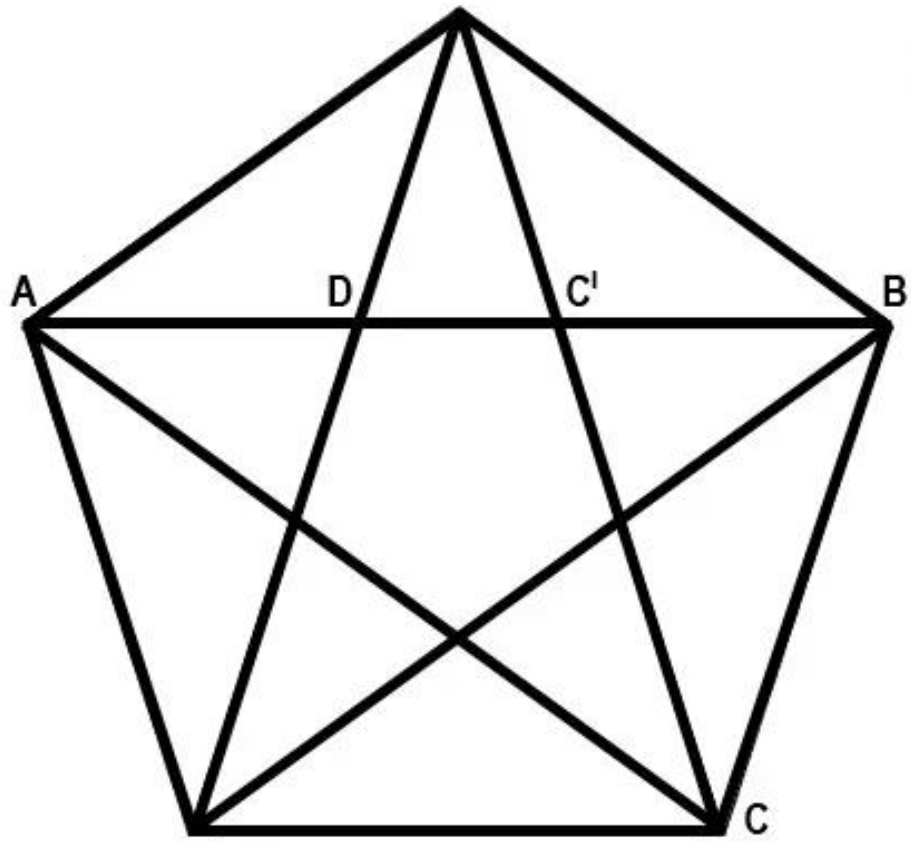
različne oblike cvetov s centralno zasnovo

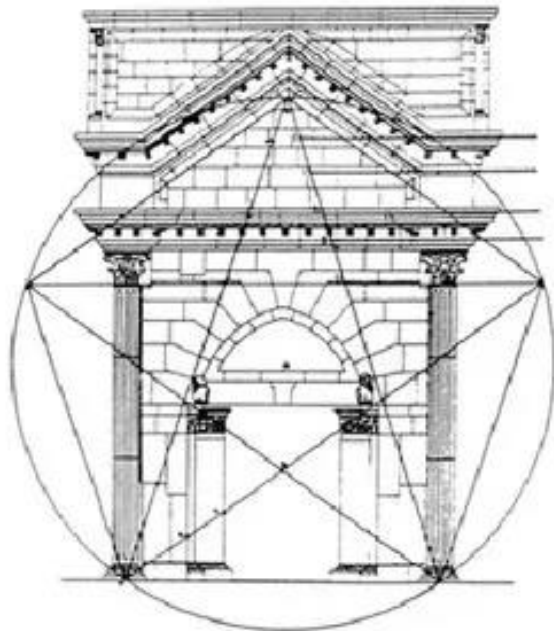
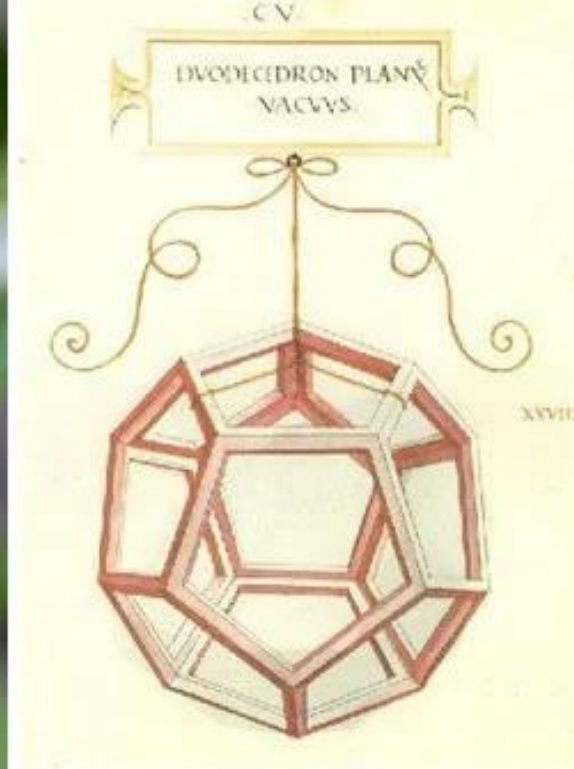
znanost ● narava ● umetnost



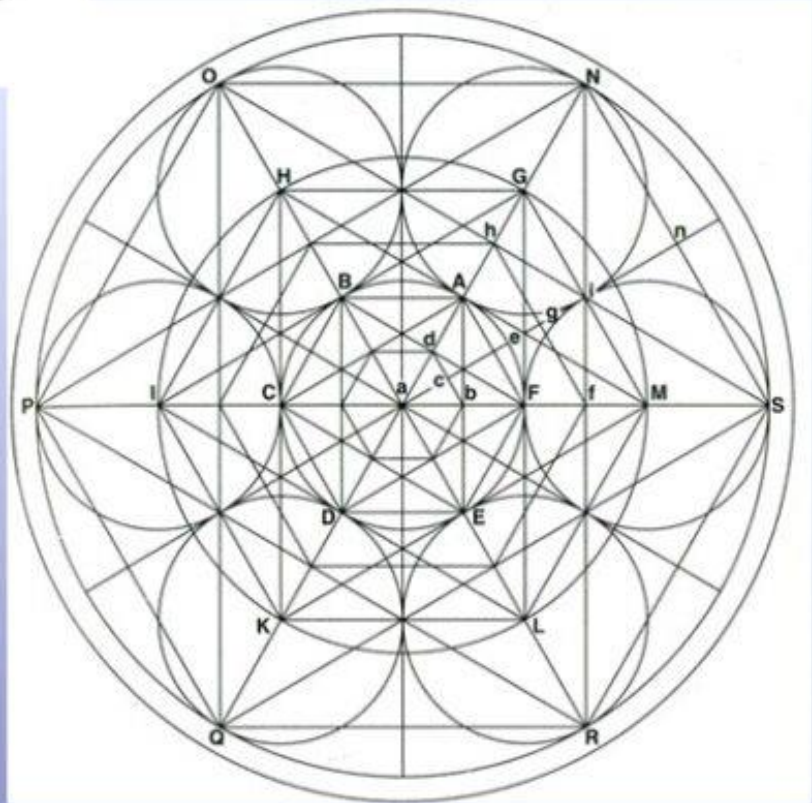
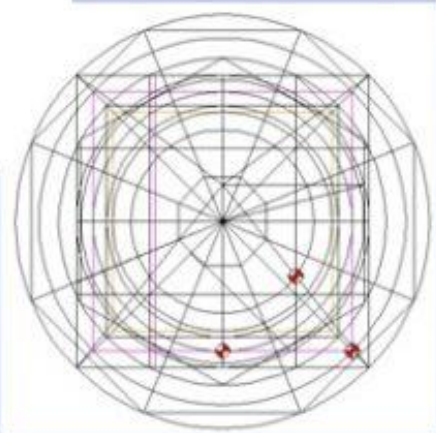
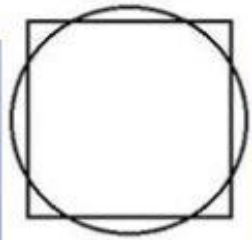
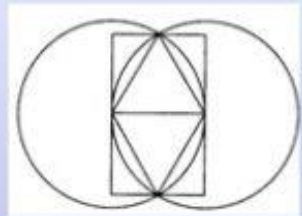
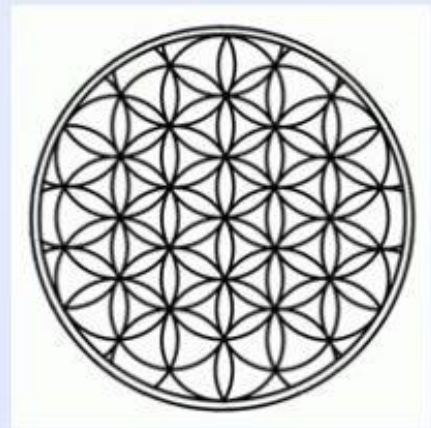
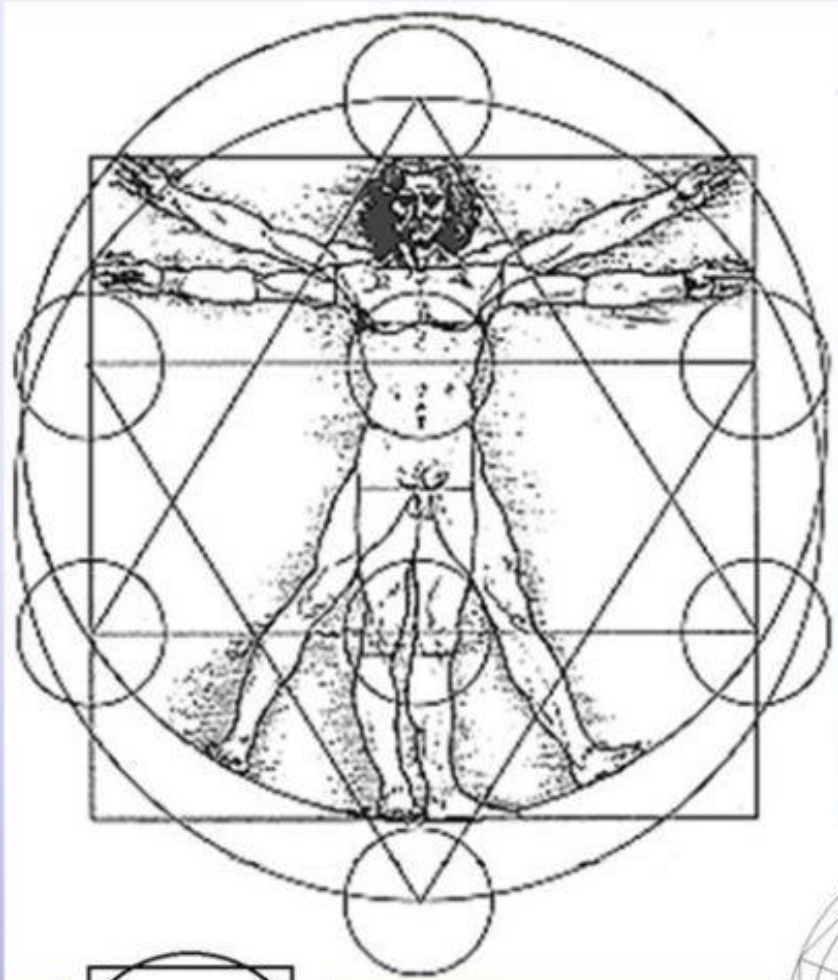
geometrijski liki



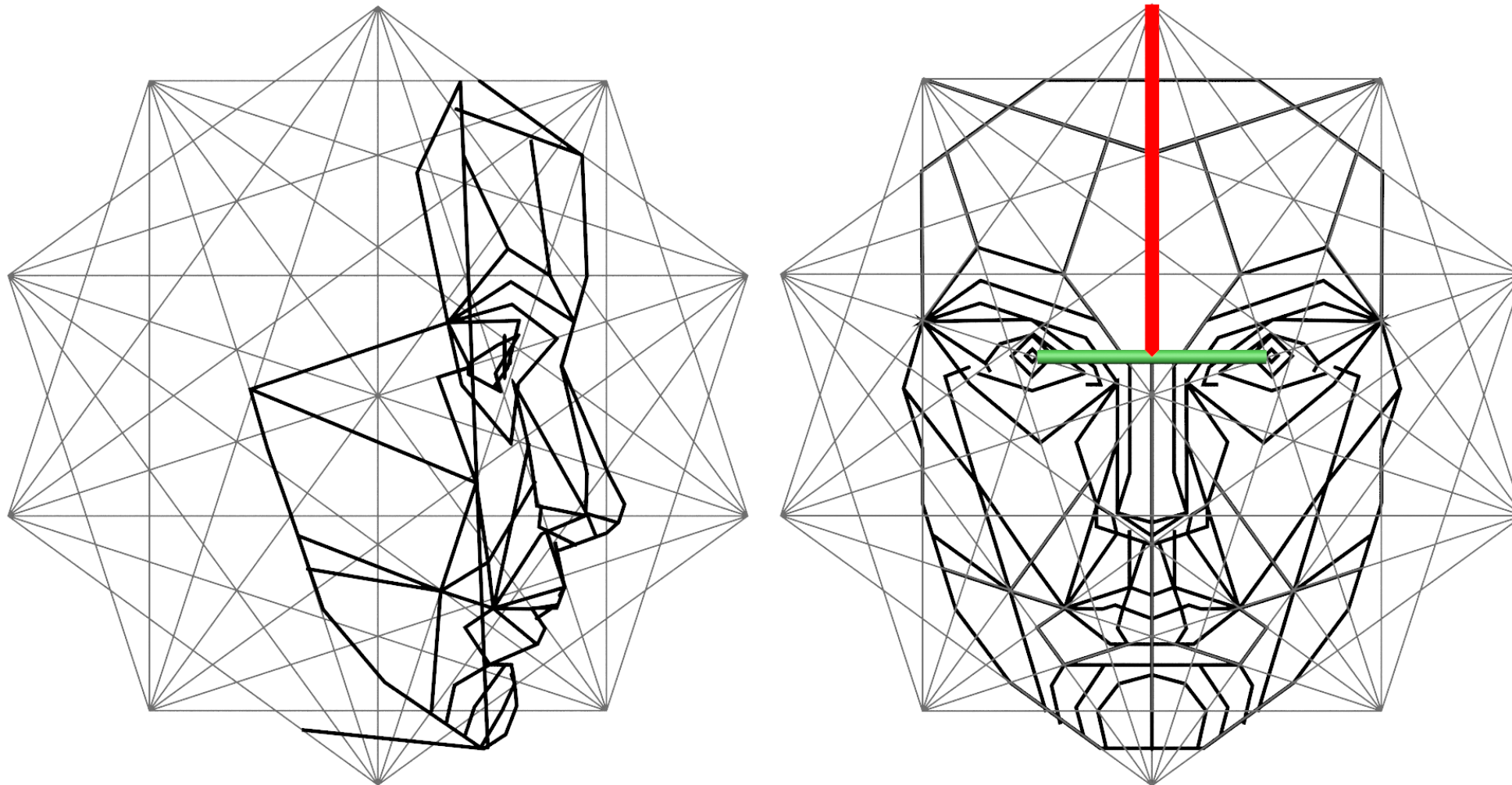




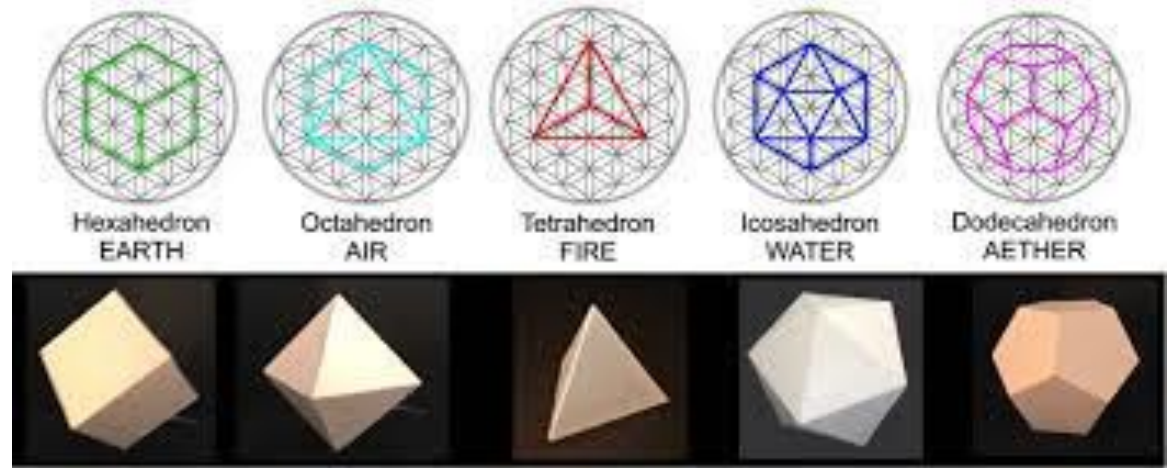
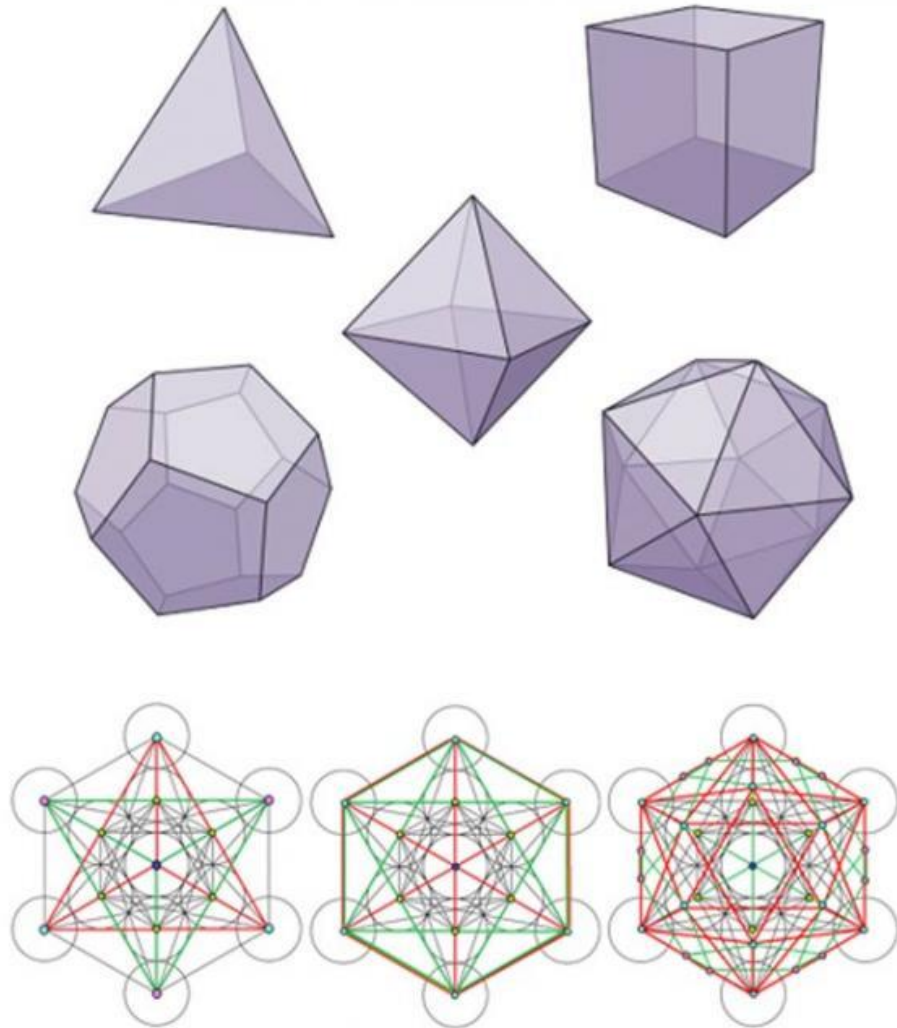
GEOMETRIA SACRA



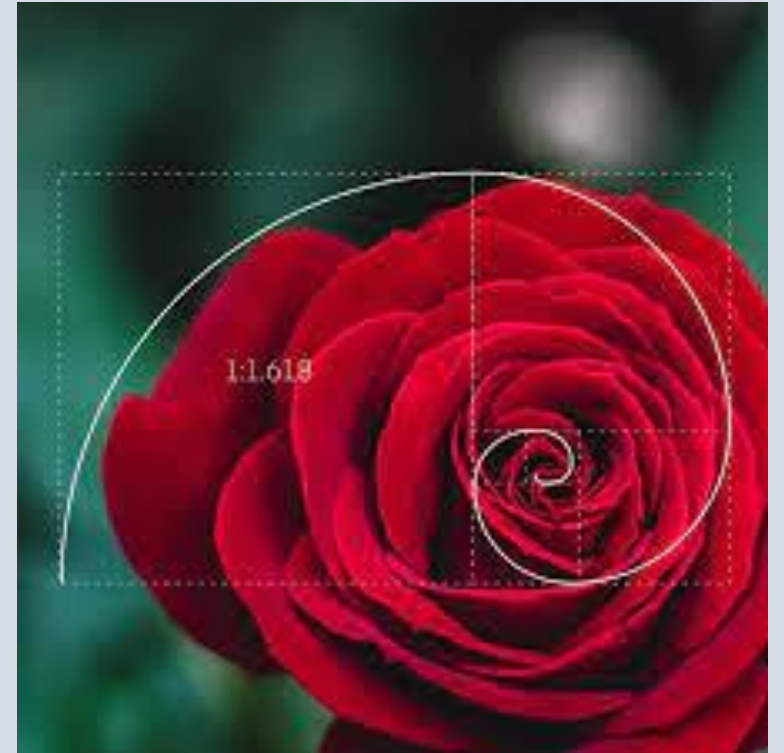
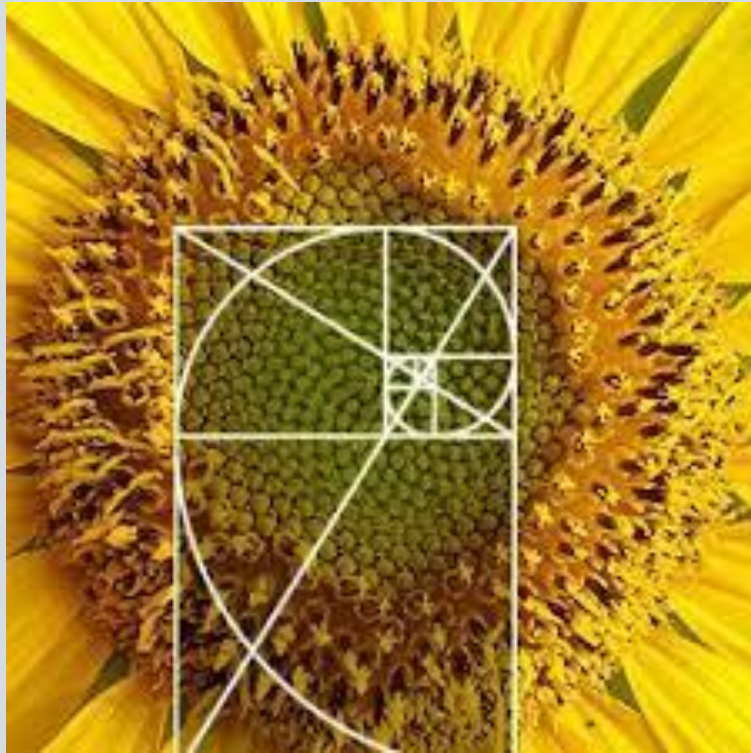
idealni obraz v zlategem rezu



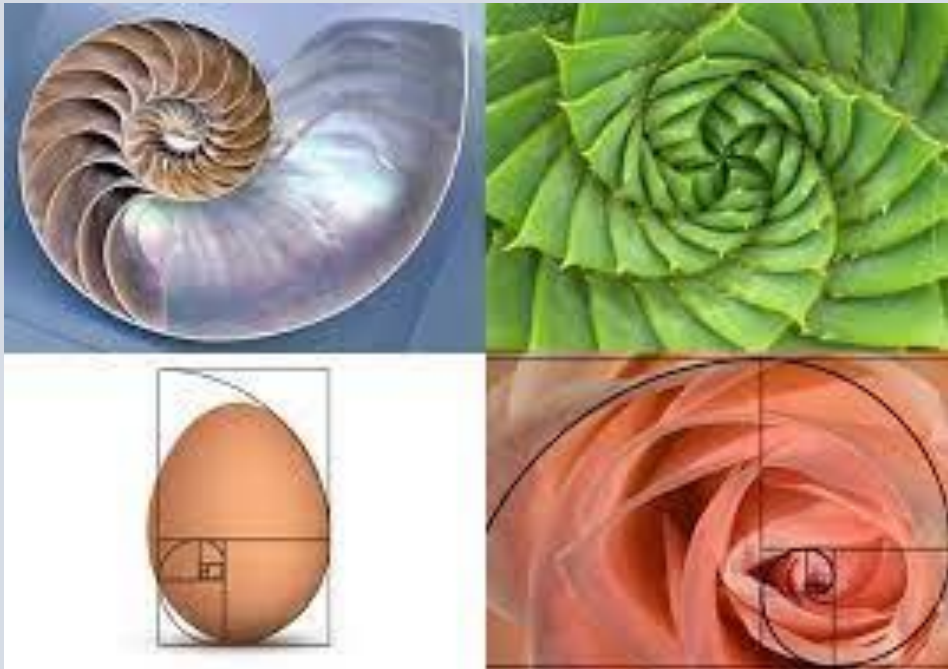
platonska telesa



spirala

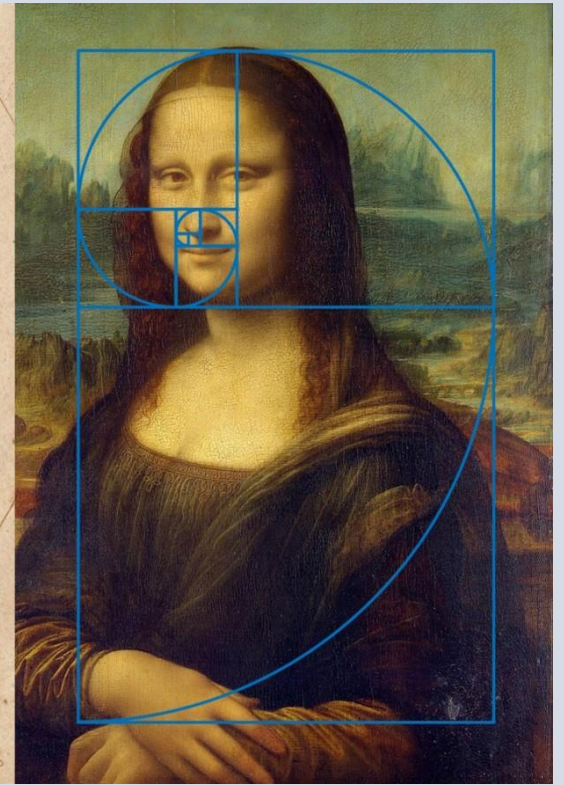
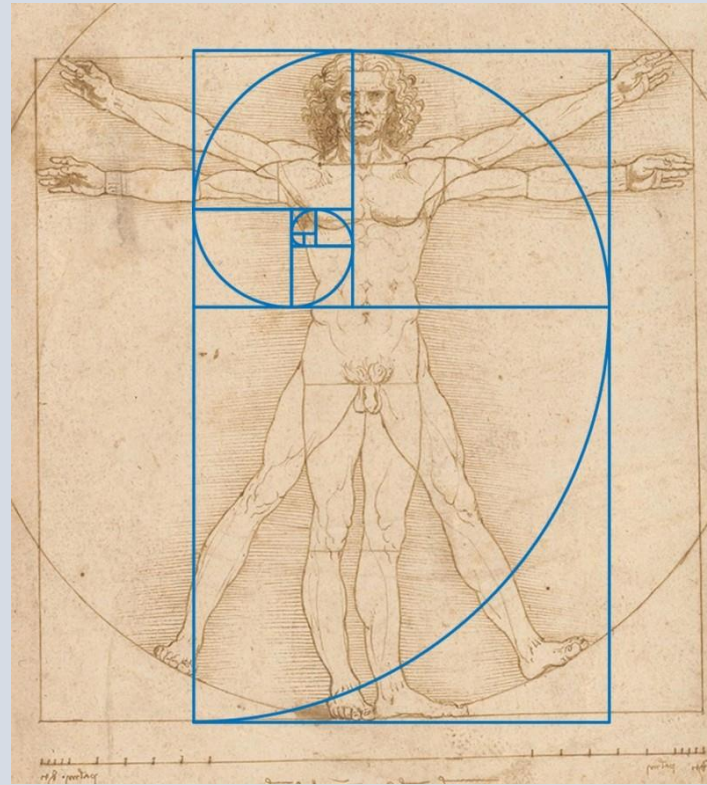
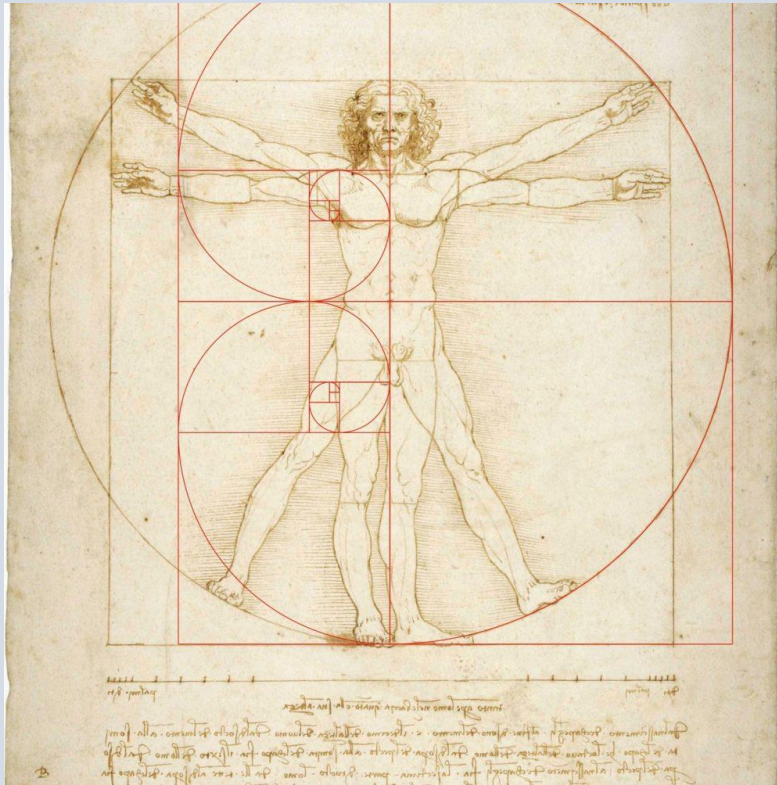


zlati rez

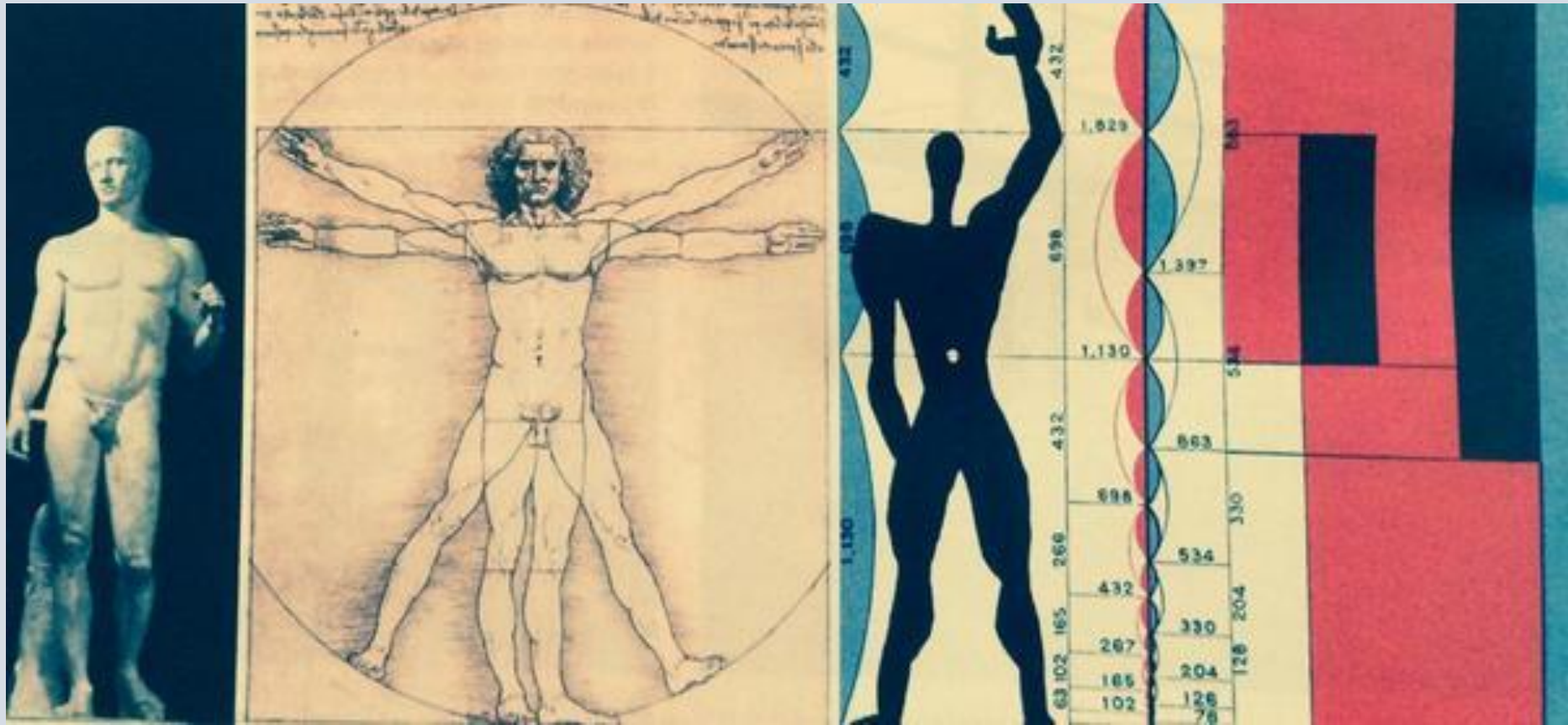


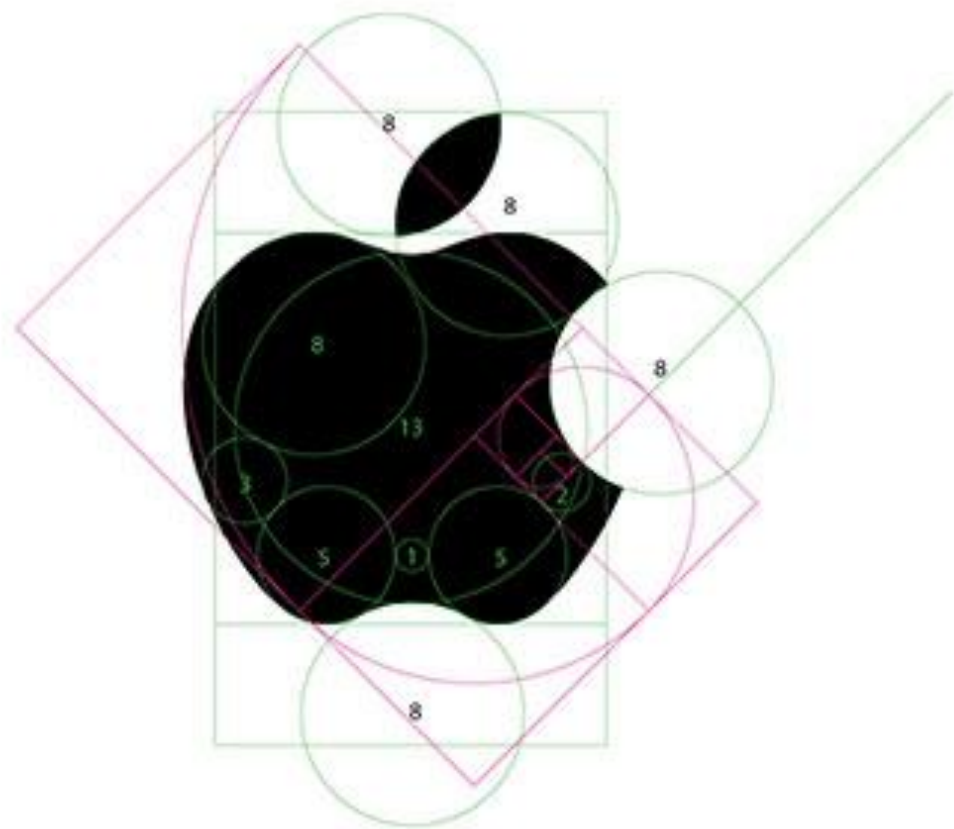
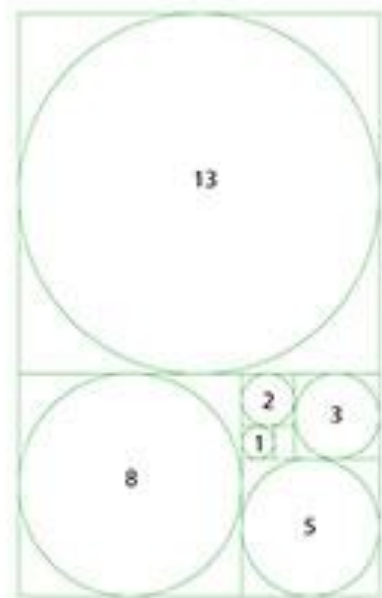


kompozicija



kanon proporcev



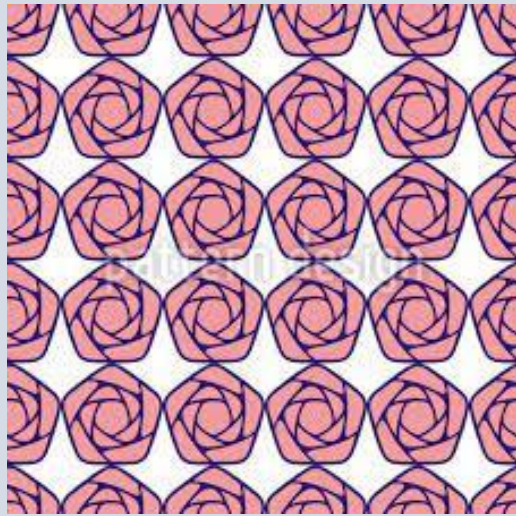


modularnost



futuristični fantastični cvetovi iz ploskve v prostor





Giacomo Balla fantastični cvetovi



VIRI

- <https://la-plumeria.com/2015/06/05/meristemi-e-fibonacci/>, 25. februar 2023
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