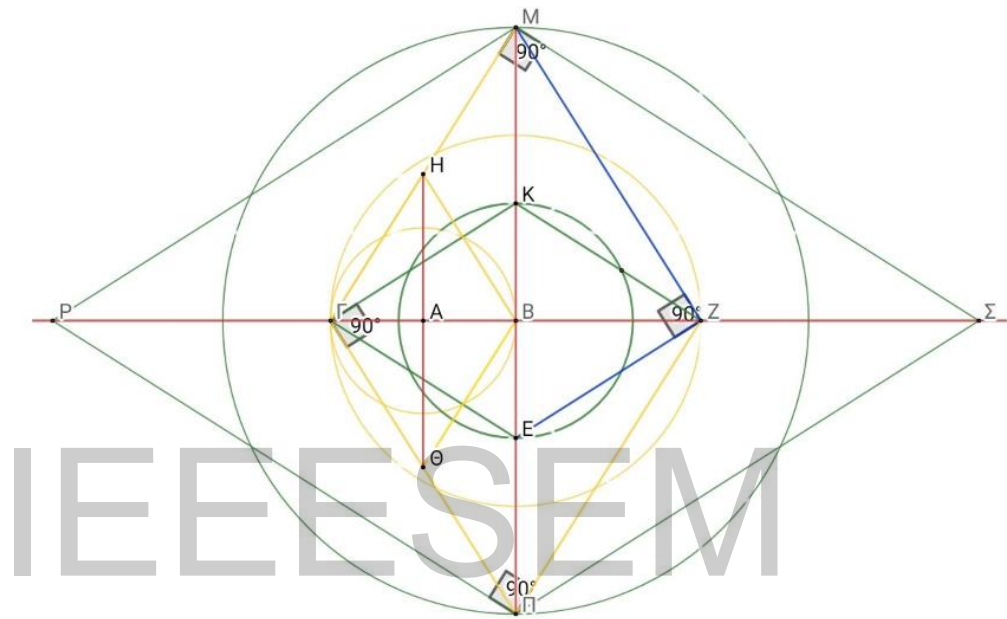


Attempt to square the circle according Euclidean geometry

$\mu\pi$, Dimensio circuli

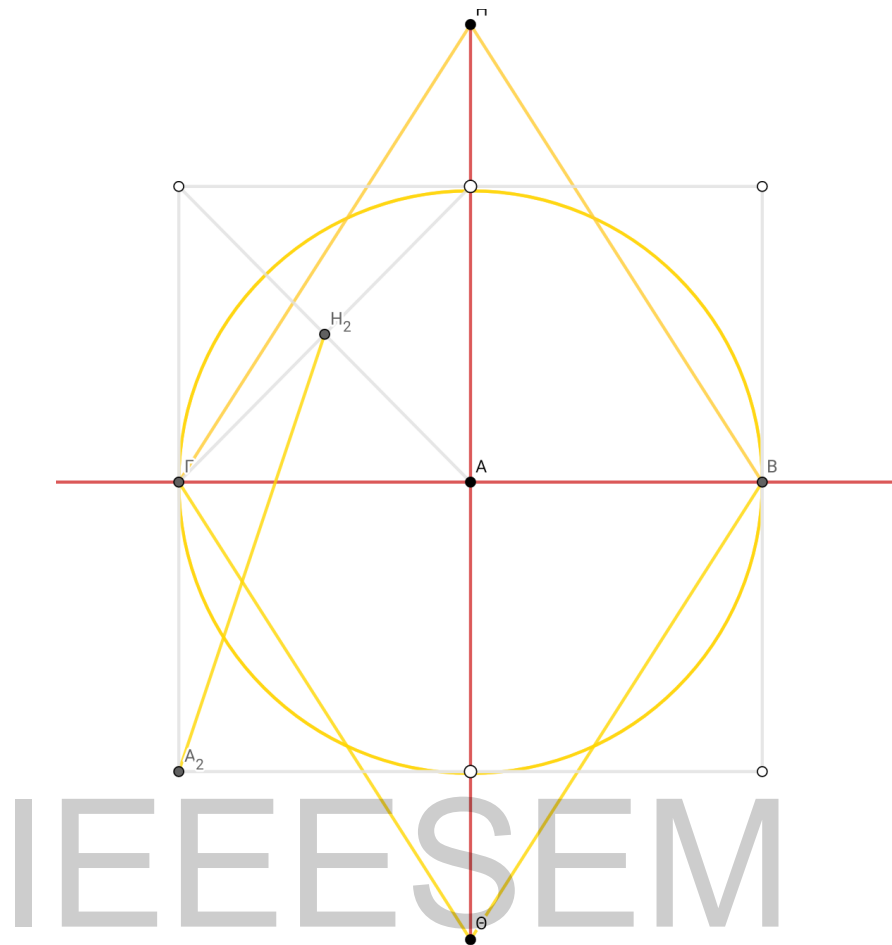


Develop of circle and rhombus of same center and area in squares (1), $(4 \div X)^2$, (4), (X^2) with $3 \times 90^\circ$ rotation. $X = M\Gamma =$ perimeter of first circle. (squares are self-explanatory, of the same center, sides equal as each diameter of each circle.)

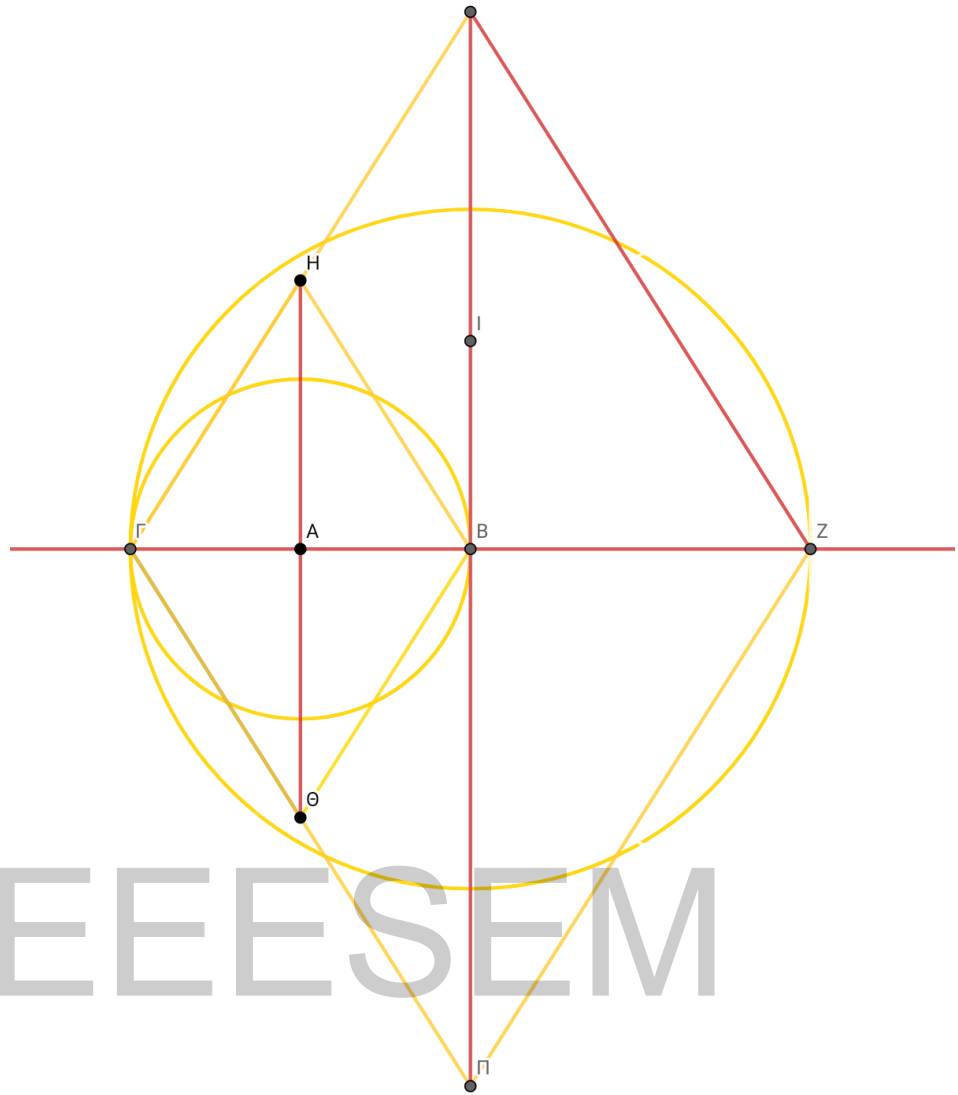
Attempt to square the circle with ruler and compass, according to Euclidean geometry. Assumption HA, verification BE.

Work, construction and theory, research. Georgios Bouras.

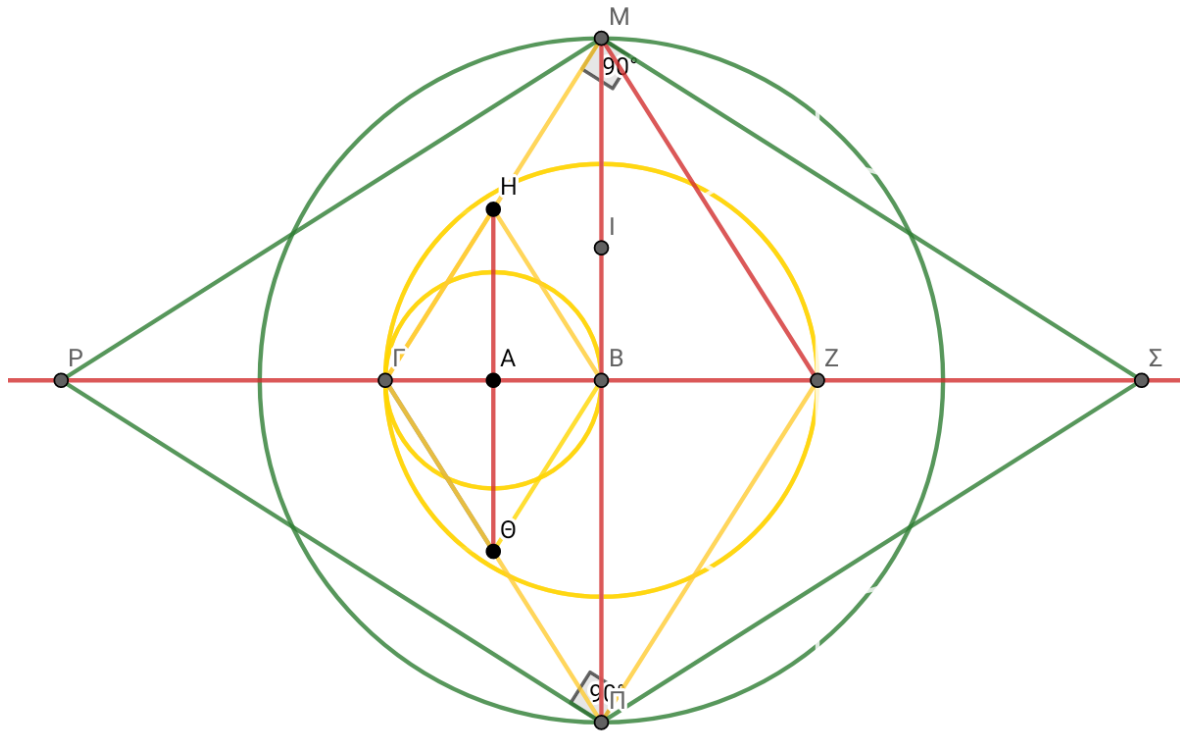
CONSTRUCTION STEPS



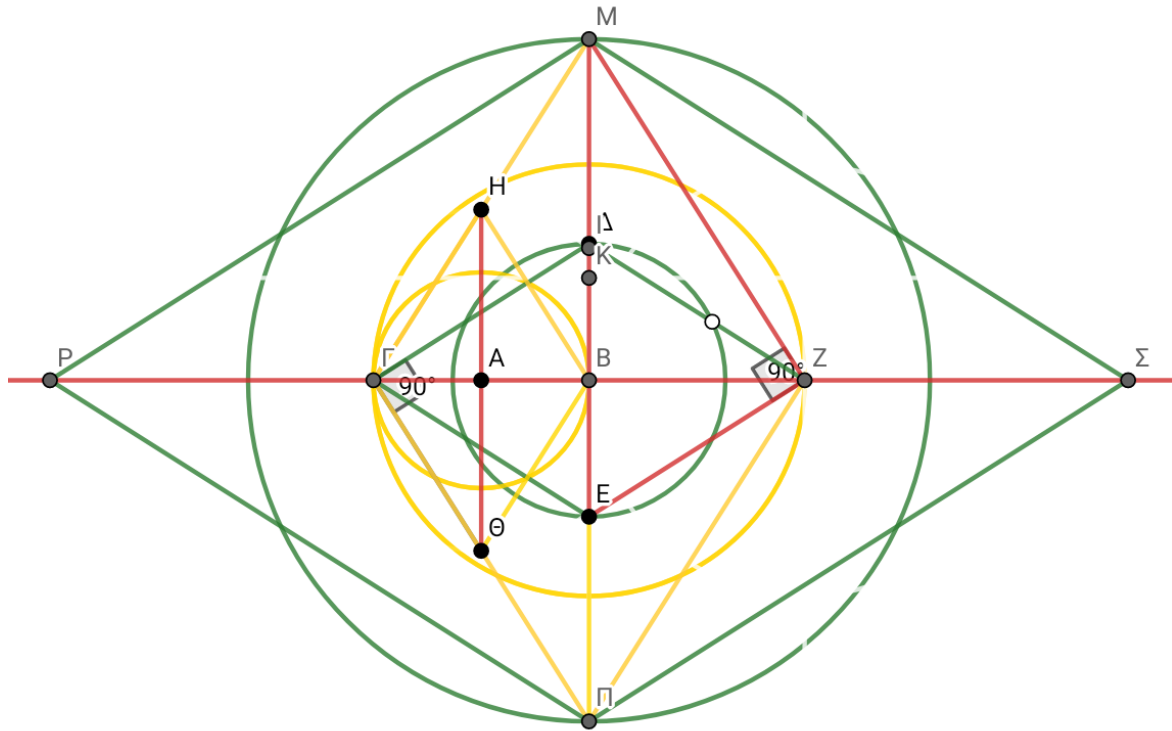
$HA^2 = (3/4)^2 + (1/4)^2$. $HA \times 4 = \mu\pi$.
 $(\Gamma B \times H\Theta) \div 2 = \text{area1} = HA = 1/4 \mu\pi$ I place
 it perpendicular to ΓB in the center A and
 correspondingly I place $A\Theta$... and I have
 Small diagonal $\Gamma B = 1$ and large diagonal
 $H\Theta = 1/2$ of the circumference of the circle.
 And I place the sides of the rhombus.



$\Gamma B \times \sqrt{4} = \Gamma Z$. I move the axis and double to ΓZ . I extend ΓH to the vertical axis at M and correspondingly all the sides and double $H\Theta$ to $M\Pi$. $H\Theta \times \sqrt{4} = M\Pi$. area2= $M\Pi$



$M\Gamma^2/2 = P\Sigma$. Area3= $M\Gamma \times M\Gamma^2/4$ from ΓM I
 bring a perpendicular from M to the horizontal
 axis to Σ and accordingly draw all its sides



$MZ^2 = MB^2 + BZ^2$. $MZ^2 \div M\Pi^2/4 = ZE^2$.
 $ZE^2 - BZ^2 = BE^2$ $M\Pi \div \sqrt{(M\Pi^2/4)} = \Gamma Z = 2$
) και $\Gamma Z \div \sqrt{(M\Pi^2/4)} = KE = 2\Gamma Z/M\Pi$ (of perimeter
 4 and an area equal to diameter $4 \div M\Pi$).
 $2\Gamma Z \div KE = M\Pi = 4HA$. I bring a perpendicular from
 MZ from Z to the vertical axis at point E and
 draw a diameter and respectively all the sides.

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