

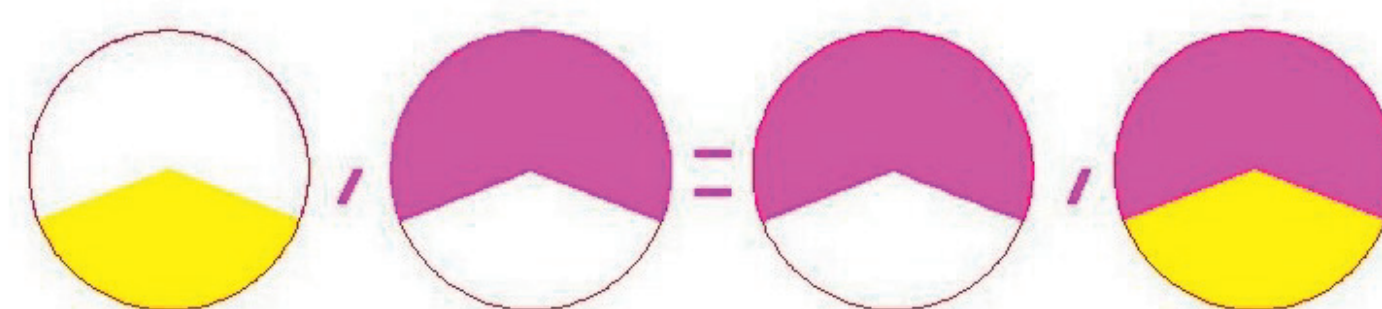
BIOPHILIC PATTERN AND APPEARANCE OF LEPENSKI VIR HABITATS (1)

(project, video)

In biophilic design, the golden angle of:
 $\varphi = 137.507764...^\circ$

(the golden ratio in a circle)

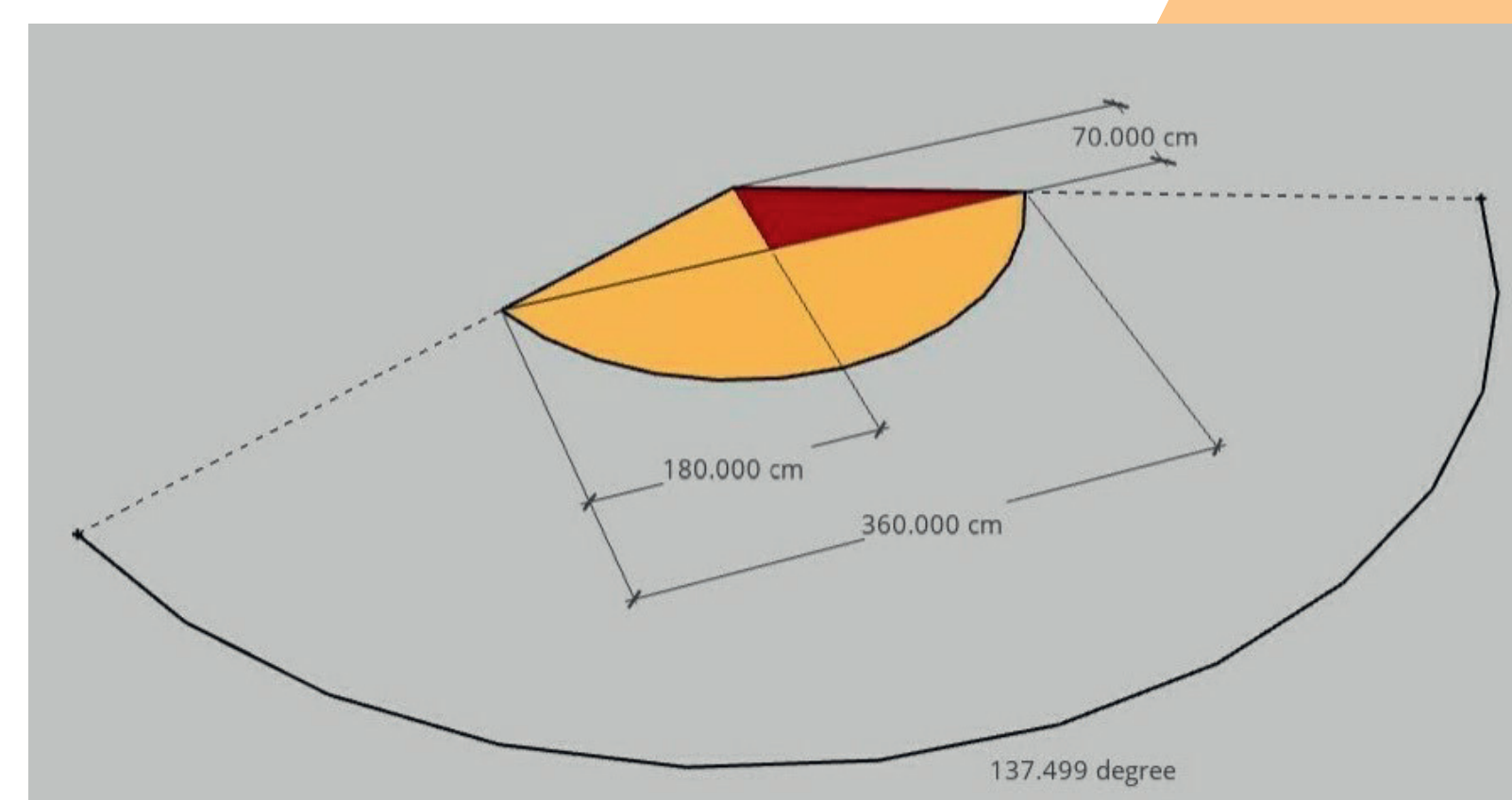
is associated to the evolutionary tendency of optimal light capture for maximum photosynthetic activity. An ivy leaf (*Hedera helix*) was chosen as a pattern for the biophilic design of the ground plane of Lepenski Vir habitats. Lepenski Vir is the prehistoric archaeological site in Djerdap, Serbia. This appearance starts with an approximate golden angle construction.



THE GOLDEN RATIO IN A CIRCLE:
 THE GOLDEN ANGLE: $\varphi \approx 137.5^\circ$



AN IVY LEAF (*HEDERA HELIX*),
 ITS VEINS AND THE PLACE
 OF GOLDEN ANGLE



AN APPROXIMATE
 GOLDEN ANGLE CONSTRUCTION

BIOPHILIC PATTERN AND APPEARANCE OF LEPENSKI VIR HABITATS (2)

(project, video)

This appearance of habitats is based on the answer to the question: “Why did they build habitats like that?” It was the remains of an energy-efficient architecture, which the author has written about before.

Finally, we get the shape of one of the possible habitat models of Lepenski Vir which includes a golden angle, an equilateral triangle 360 in size, a dug square and a slope of the ground.

FINAL APPEARANCE
ONE OF THE POSSIBLE HABITAT
MODELS OF LEPENSKI VIR

