

Kuruzni labirint v sodelovanju z UM, FGPA

Corn maze in cooperation with UM, FGPA



Univerza v Mariboru,
Fakulteta za gradbeništvo, prometno
inženirstvo in arhitekturo se je letošnje leto z velikim
veseljem priključila projektu Kuruzni labirint.

Pri izbirnem predmetu **Geodezija-GIS/izbrana poglavja**,
so v sklopu vaj nastale kreativne ideje za izvedbo labirinta.

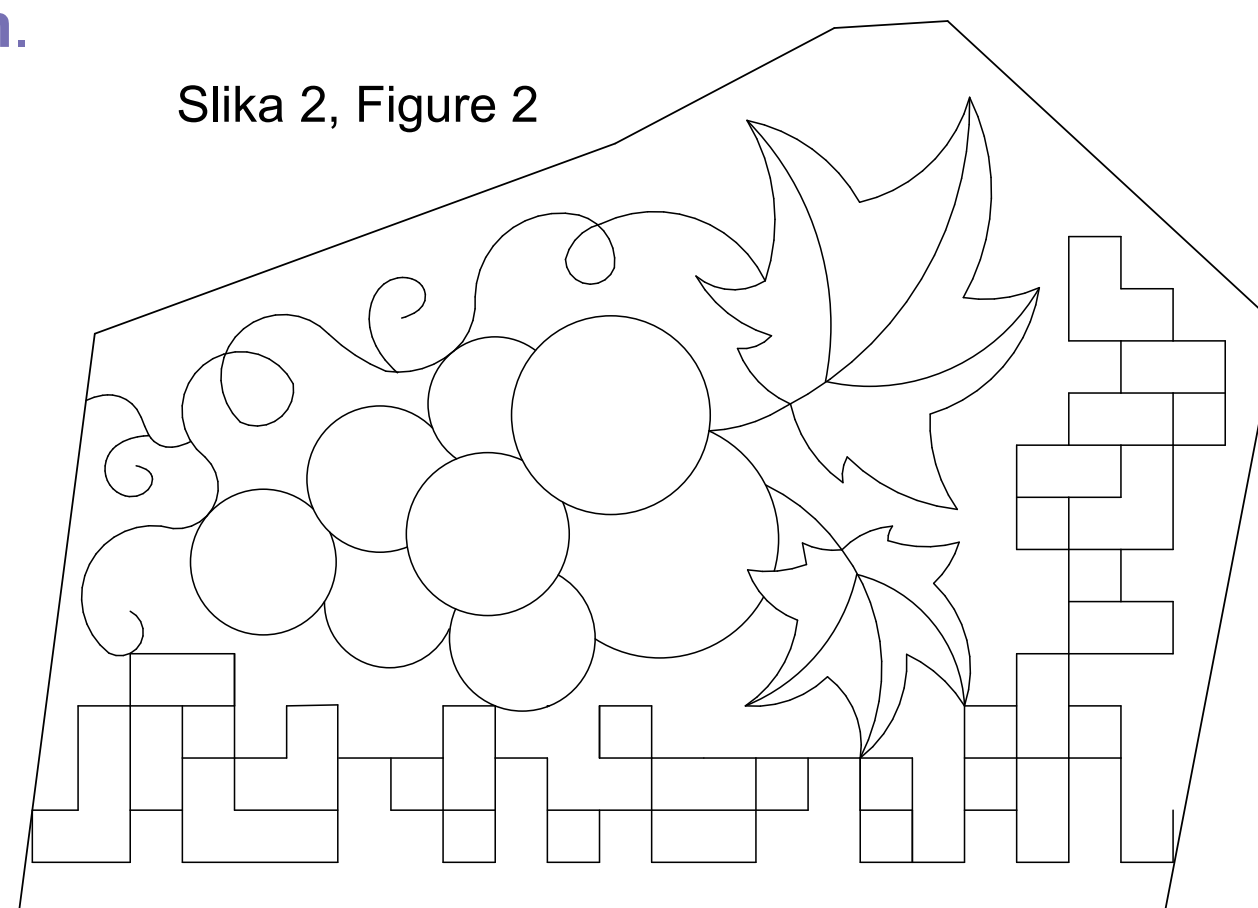
Kako je delo potekalo? Območje labirinta smo naprej prehodili
in v državnem koordinatnem sistemu določili zunanje gabarite
območja labirinta (Slika 1),
znotraj katerega so študentke in študentje 3. letnika študijskega
programa Arhitektura izrisali svoje ideje (Slike 2-7).

Pri tem so morali upoštevati predvsem skupno
**velikost labirinta med 3-4 ha, odmike od zunanjega
roba vsaj 10 m, širine poti 2 m in odmike med
posameznimi linijami (hodniki) 12 m.**

Za prenos labirinta na teren smo izračunali
zakoličbene elemente (koordinate točk)
lomov linij labirinta. To smo
storili s pomočjo programskega
orodja Qgis (Slika 8).
Skupno smo zakoličili 204 točk. Dolžina vseh
poti je 2820 m. Uporabili smo RTK GNSS
opremo Topcon HiperPro po metodi baza-rover
z natančnostjo določitve točke ± 1 cm.
Utrinek iz zakoličbe je viden na Sliki 9.



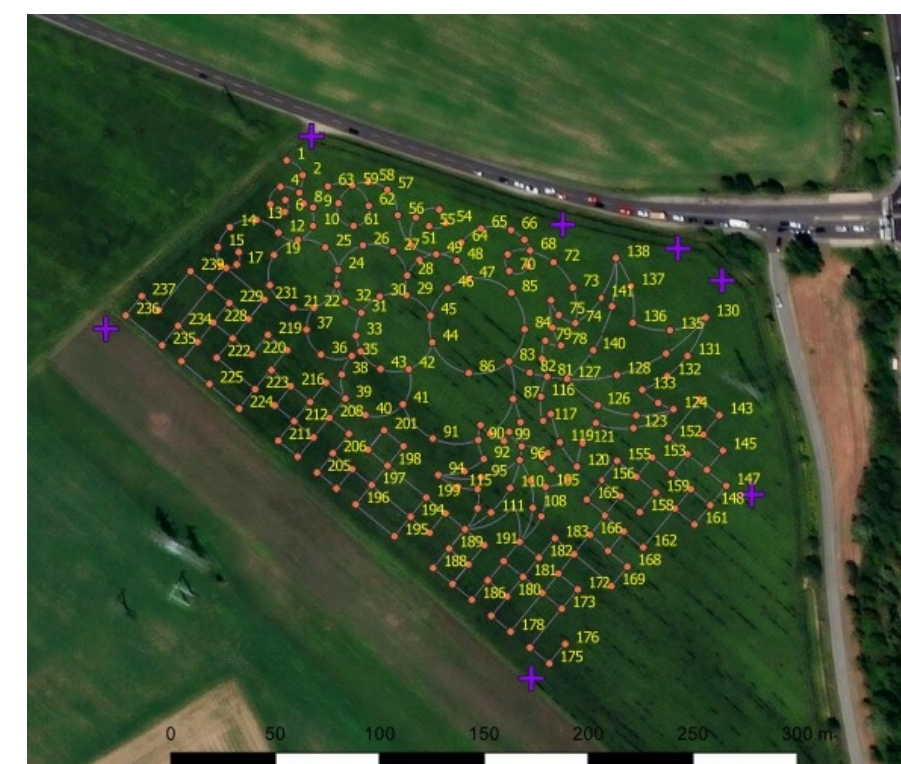
Slika 1 Figure 1



Slika 2, Figure 2



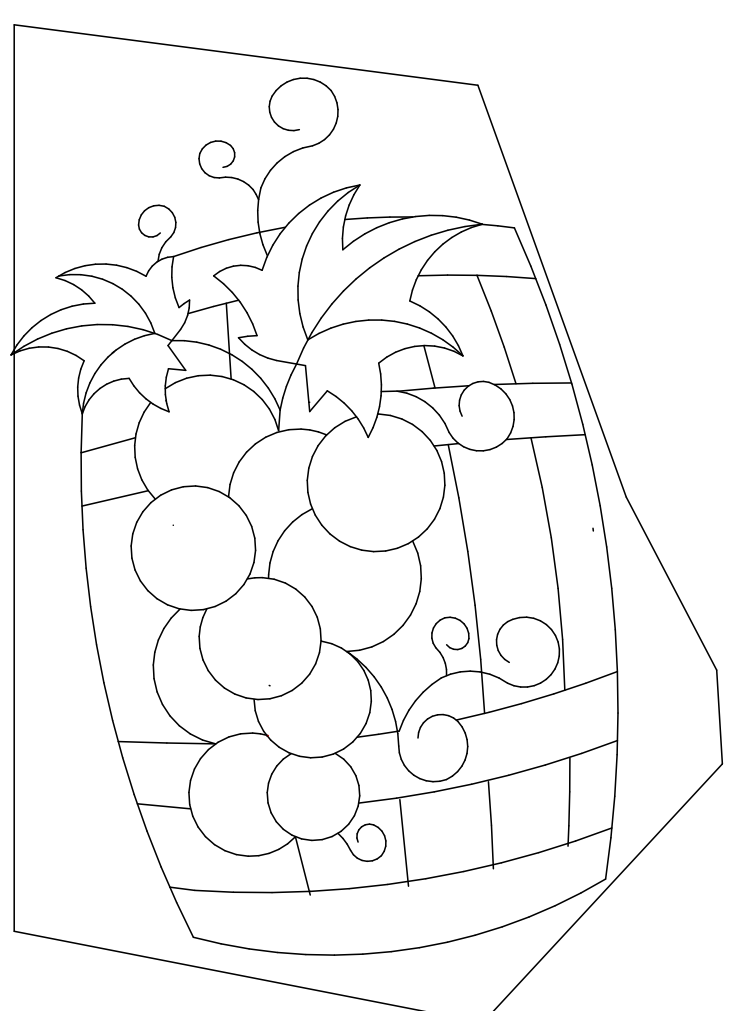
Slika 9, Figure 9



Slika 8, Figure 8

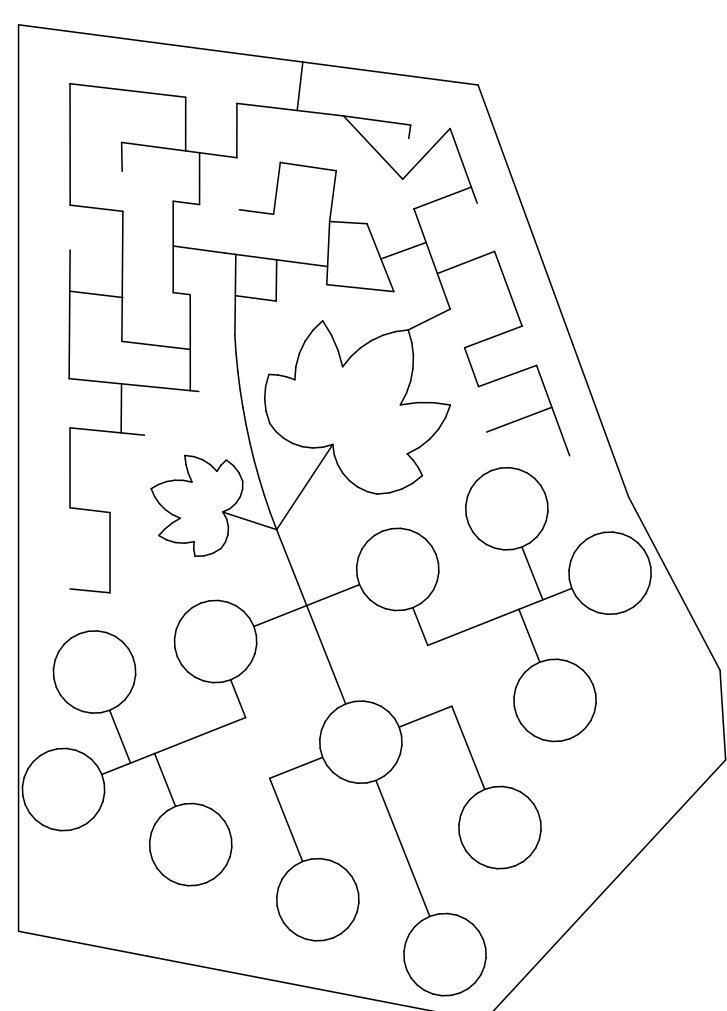
Študentske ideje na temo STARA TRTA / Student ideas on the theme OLD VINE

Lucija Guzaj



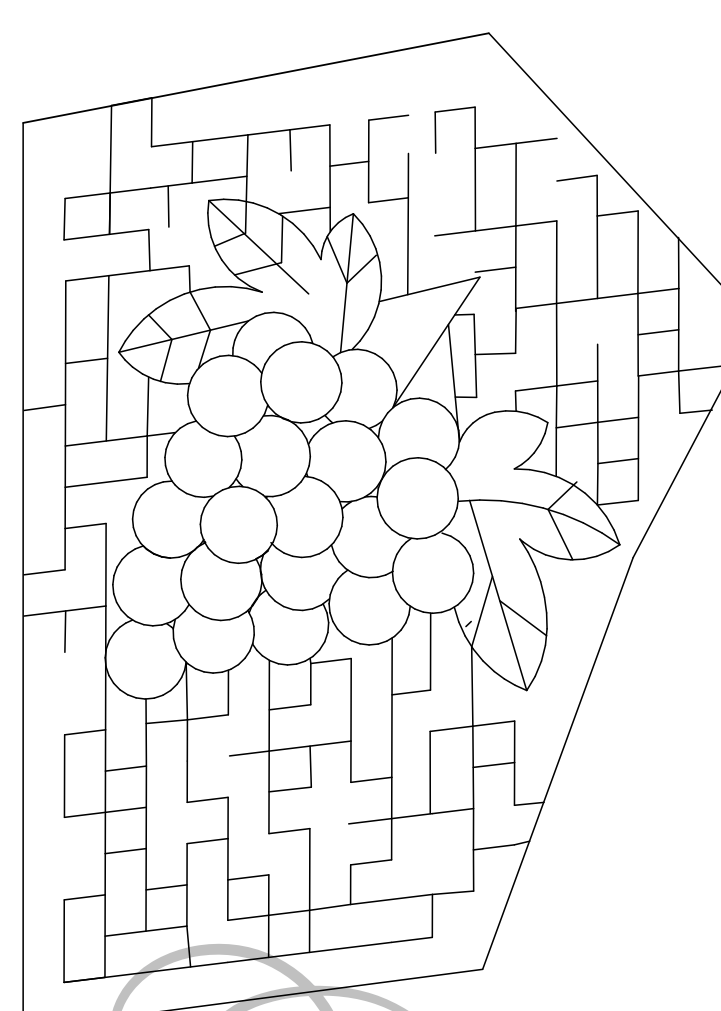
Slika 3, Figure 3

Natalija Đurić



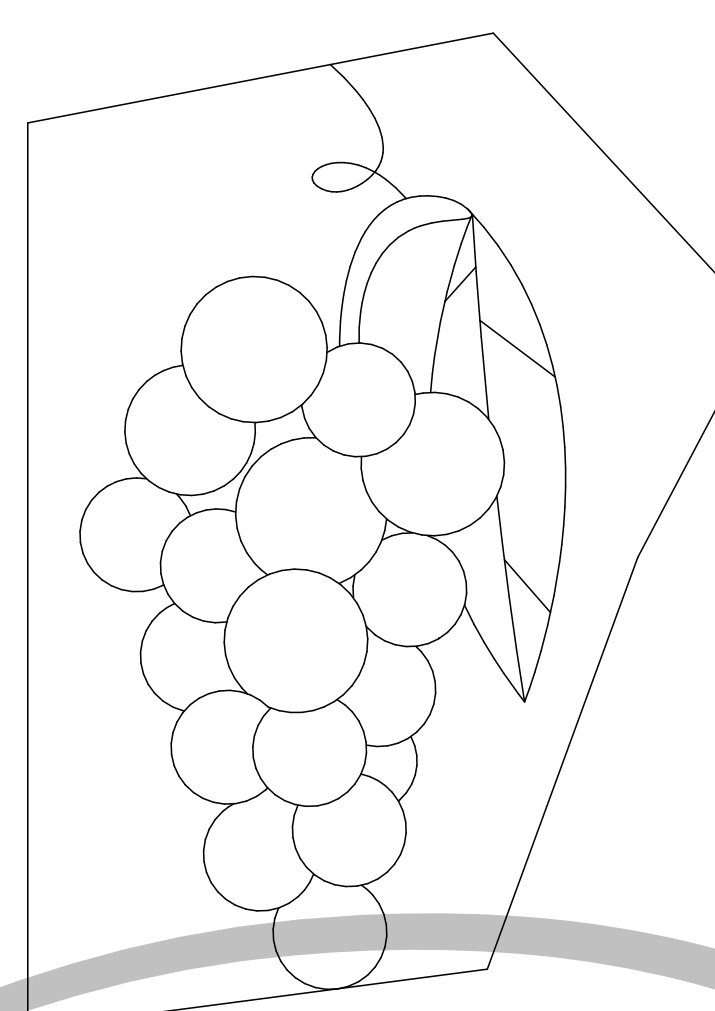
Slika 4, Figure 4

Marija Đukić



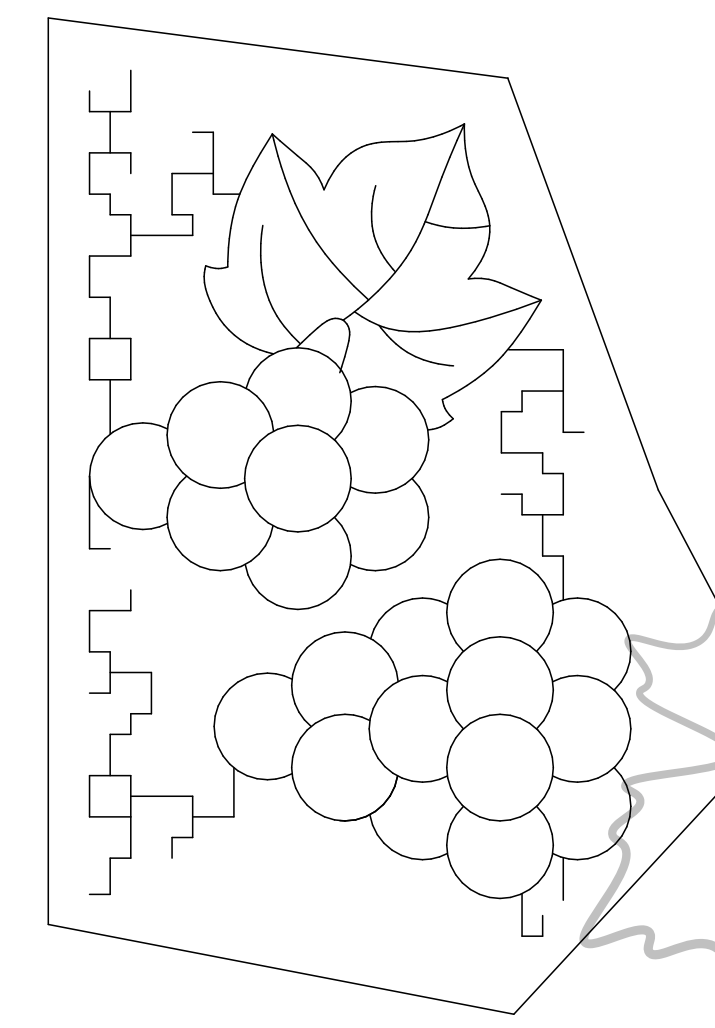
Slika 5, Figure 5

Blaž Balažič



Slika 6, Figure 6

Žana Prasnic



Slika 7, Figure 7



University of Maribor,
Faculty of civil engineering, traffic
engineering and architecture, entered this year's Corn
maze project with great pleasure.

In the elective course **Geodesy-GIS/selected topics**,
students created ideas for the implementation of the Maze
as a part of the seminar.

How was the work done? The maze area was first stake-out
in the state coordinate system and outer area
was determined (Figure 1).

Inside this area students of the 3. year of studing
programme Architecture has written their ideas (Figures 2-7).

Doing that they has to consider whole
**area of the maze 3-4 ha, offsets from outer
line at least 10 m, path width of 2 m and offsets between
each line (path) 12 m.**

Zmagovalna ideja študentke Kristine Kozarove (winning idea)

To transfer the maze to the field, we have calculated
stake-out elements of the maze (point coordinates)
of the maze line breaks using Qgis software (Figure 8).
In total, 204 points were stake-out. The length of all tracks
was 2820 m. We used RTK GNSS Topcon
HiperPro equipment and the basa-rover
method with the point precision of ± 1 cm. You can see a highlight
in the Figure 9.