

Total Station Surveys, ArchaeoCAD and PhoToPlan

Basics

1. introduction to the survey equipment
2. theoretical basics of total station surveys

Tutorial 1 – Survey Equipment

3. basic configuration and settings
4. getting to know the total station
5. handling and maintenance

Tutorial 2 – Surveying Exercise I

6. resection (free stationing of the total station)
7. setting up the total station using two reference points
8. setting up the total station using one reference point
9. setting up the total station without reference points (local system)
10. level transfer

Tutorial 3 – Surveying Exercise II

11. ArchaeoCAD codes
12. archaeological survey with ArchaeoCAD codes
13. working with code lists
14. working with certain data formats
15. data transfer
16. pegging out

Tutorial 4 – Data Management

17. data storage
18. data structure

Tutorial 5 – ArchaeoCAD

19. introduction to the user interface (ribbons, groups, functions)
20. working with the survey file editor
21. the CodeDraw Module (settings and functions)
22. plan functions
23. section functions
24. text functions
25. layout functions
26. plot functions

Tutorial 6 – PhoToPlan

27. introduction to digital image rectification
28. working with targets (rectification points, design and handling)
29. total station survey of rectification points on-site
30. PhoToPlan workflow
31. creating rectified image plans
32. computing distortion parameters

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