

CONTOUR LINES PLAN 1 : 1000

TEXT TASK:

In a given drawings of topography and measured elevation points plot contour lines and technical hatch.

Plot contour lines in 1 m step using the linear interpolation method between neighboring elevation points. Every fifth contour (5 m, 10 m, 15 m, ...) will be described and plotted with thicker line. Technical hatches plot in ditches.

LINEAR INTERPOLATION:

1. Take two neighboring points in the direction of the slope.

55 .0 57 .7

2. Calculate the height difference between the points.

$$\Delta h = 57.7 - 55.0 = 2.7 \text{ m} = 27 \text{ dm}$$

3. Divide the section between two points on the same parts corresponding to the number of decimetres of height difference.



4. Locate points with an altitude equal to the meters in the whole selected segment.



5. Connect the points with a corresponding altitude using flowing lines.