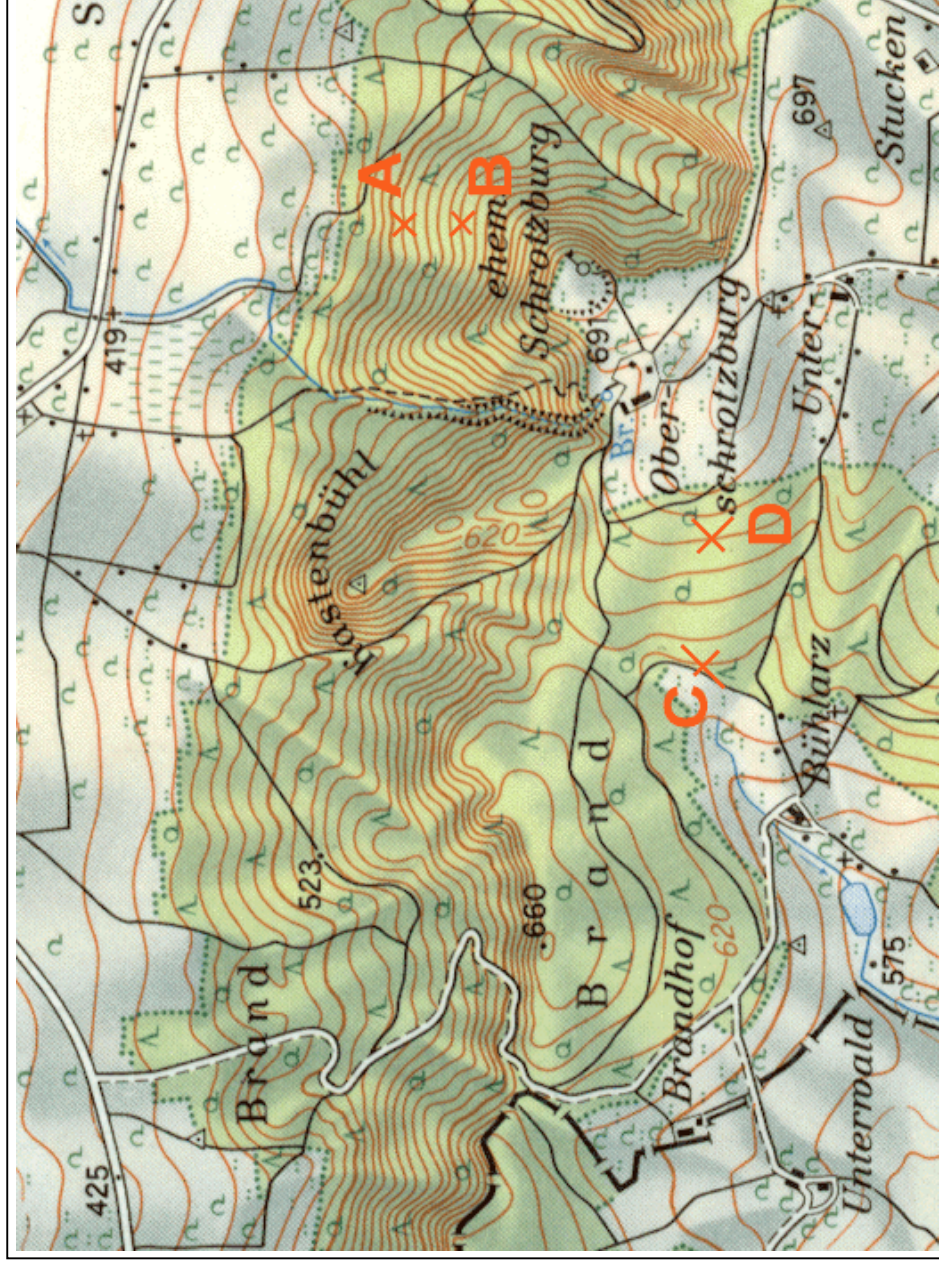


Act: Slope Diagram

Take this map excerpt at a scale of 1 : 25 000 and the slope diagram (1:1) as working sheet:



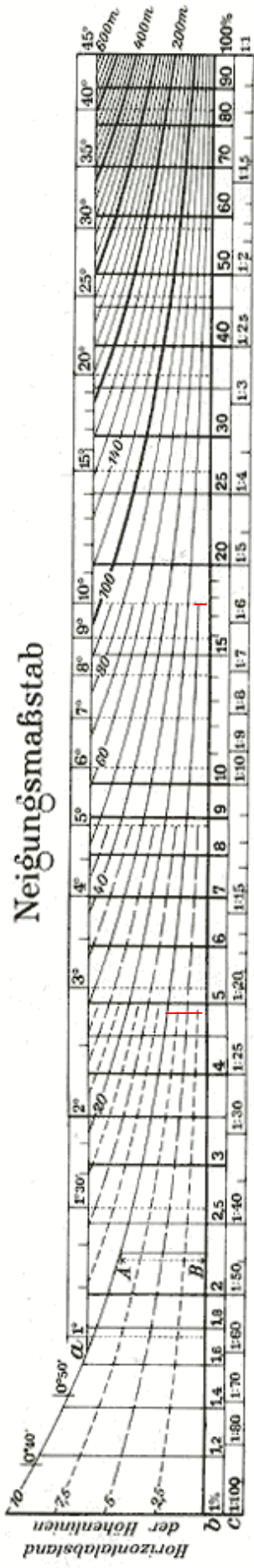
Solution for A/ B:

- difference of elevation: **50 m**
- angle of slope in: degree : **$\sim 10^\circ$**
- angle of slope in: percent: **$\sim 17,8 \%$**
- angle of slope in: ratio: **$\sim 1 : 5,8$**

Solution for C/ D:

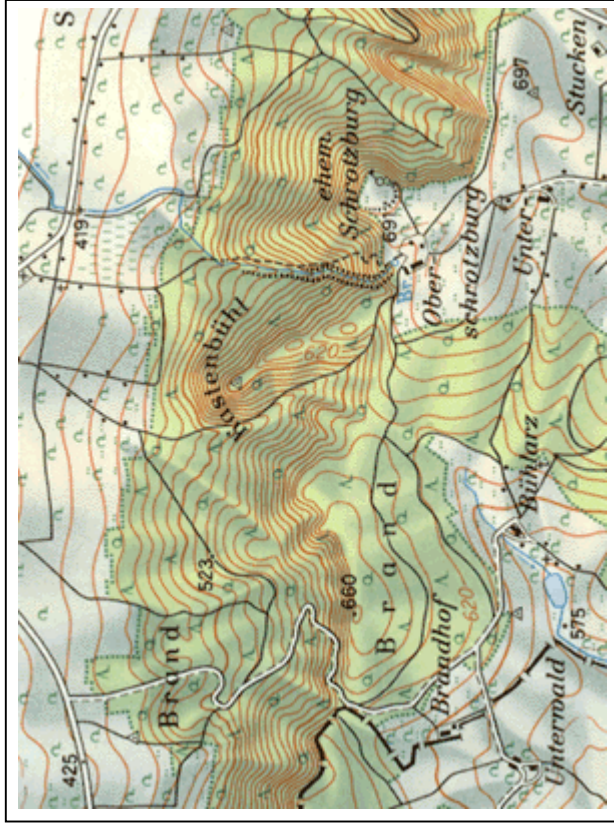
- difference of elevation: **40 m**
- angle of slope in: degree: **$\sim 2^\circ 46'$**
- angle of slope in: percent: **$\sim 4,8 \%$**
- angle of slope in: ratio: **$\sim 1 : 20$**

Neigungsmaßstab



Für den Horizontalabstand der Höhenlinien kann die Neigung entnommen werden a) in Graden, b) in Hundertteilen, c) im Neigungsverhältnis.
 Beispiel: A-B = Horizontalabstand der Höhenlinien, Höhenunterschied 10,0 m, Geländeneigung = $1^\circ 18' = 2,3\% = 1:44$

Determine the scale for the following map excerpt that is unknown:



Solution for scale: $\sim 1 : 39344$ (For a practical map scale you would like to use for mapping the nearest logical value lies at $1 : 40\ 000$ – the map would need to be re - scaled)