



Technical drawing of a roof structure showing dimensions and components. The drawing includes a cross-section of a roof with a slope angle  $\alpha$ . Key dimensions and components are labeled:

- $1^*$ : A small square component on the roof slope.
- $2^*$ : The roof slope angle  $\alpha$ .
- $3^*$ : A rectangular component on the roof slope.
- $c$ : Vertical distance from the base to the start of the roof slope.
- $H$ : Total vertical height from the base to the top of the roof slope.
- $D_o$ : Horizontal distance from the base to the start of the roof slope.
- $H_o$ : Vertical height from the base to the start of the roof slope.
- $D_f$ : Horizontal distance from the base to the start of the roof slope.
- $D_d$ : Horizontal distance from the base to the end of the roof slope.
- $D_\alpha$ : Horizontal distance from the base to the end of the roof slope.
- $D(D_n)$ : Horizontal distance from the base to the end of the roof slope.
- $H_d$ : Vertical height from the base to the end of the roof slope.
- $H_\alpha$ : Vertical height from the base to the end of the roof slope.