

Constructive Geometry 2020-2021

Helicoidal surface – homework

Given:

Helicoidal surface (axis o , parameter of screw motion v_0 , generating curve k , right-handed), top view A_1 of point $A \in k$, plane $\rho, \rho \perp \pi$, plane $\sigma, \sigma \perp o$.

Required:

1. Construct top and front views of tangent plane of the surface at point A .
2. Construct top and front views of intersection R of the helix of point A and plane ρ .
3. Construct top and front views of intersection T of the helix of point A and plane σ .

