

# Constructive Geometry 2020-2021

## Degenerated intersection of quadratic surfaces of revolution – homework

### Given:

Two quadratic surfaces of revolution: cylinder (axis  $o'$ , principal half-meridian  $m$ ), cone (axis  $o$ , vertex  $V$ )

### Required:

1. Construct top and front views of both surfaces so that their intersection degenerates.
2. Construct top and front views of intersection curve  $q$  of these two surfaces.
3. Indicate the visibility.

