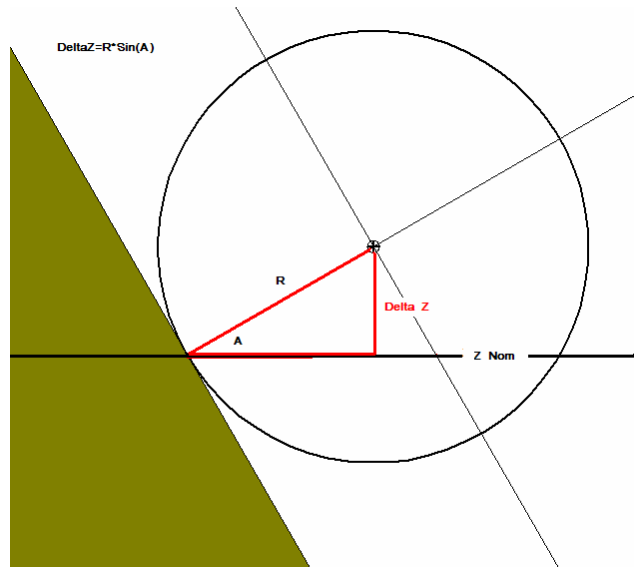


This is a short description of the formula to be applied to correct the scan height executed on conical surfaces:

- Zn - nominal section height
- R - Radius of the probe tip
- Alpha - half-angle of the cone

1. In order to keep the touch point on the given Z:

$Z_{scan} = Z_n + \Delta Z$, where
 $\Delta Z = R * \sin(\alpha)$



2. In order to compensate correctly the radius

$Z_{scan} = Z_n + \Delta Z$, where
 $\Delta Z = ((R / \cos(\alpha)) - R) / \tan(\alpha)$

