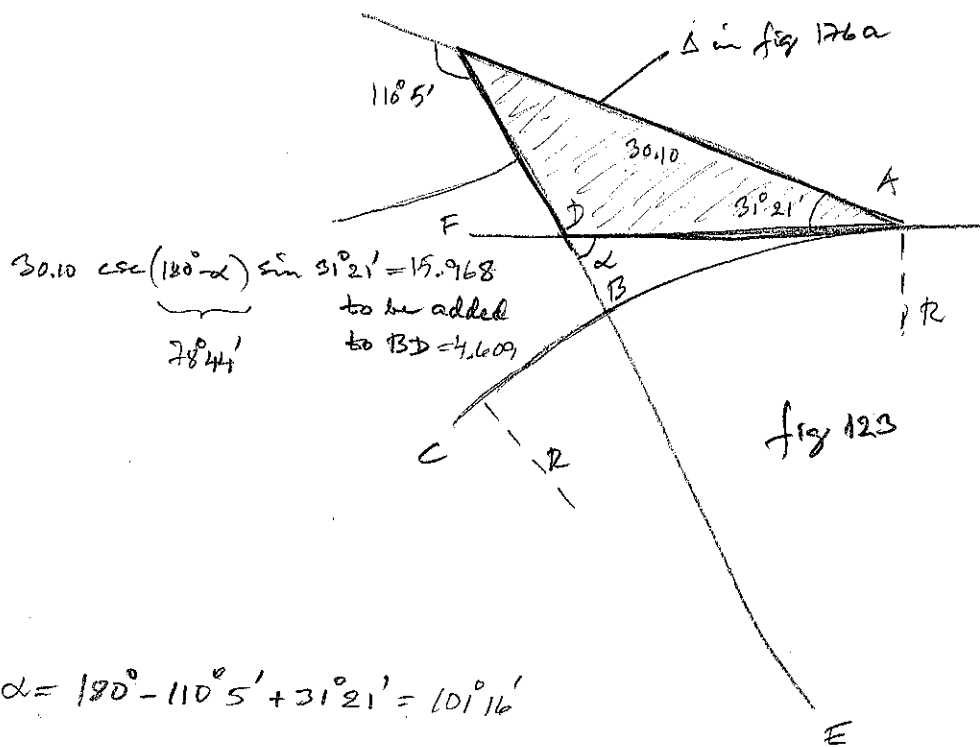


Lars Bergman 2021-03-02

Triangle in fig 176a inserted into fig 123. Shape and scale not correct in this sketch!



$$\alpha = 180^\circ - 110^\circ 5' + 31^\circ 21' = 101^\circ 16'$$

$$DA = 30.10 \csc(180^\circ - \alpha) \sin(180^\circ - 110^\circ 5') = 20.825$$

Then according to para 292.

As p is negative some of the distances and angles also will become negative.

Finally, $BD = 4.609$

from above $\frac{15.968}{20.58} = AB$ in fig 176a

$AOB = 0.30182$ rad making AB in fig 123

or B to P.C. in fig 176a = 30.18 (curved line)