

PROJECT		COMPUTATION OF ELEVATIONS AND REFRACTIONS FROM RECIPROCAL OBSERVATIONS <i>(Logarithmic)</i> For use of this form, see FM 3-34.331; the proponent agency is TRADOC.
LOCATION		
ORGANIZATION	DATE (YYYYMMDD)	

Station 1, occ.						
Station 2, obs.						
ζ_1						
ζ_2						
$\zeta_2 - \zeta_1$						
$\frac{1}{2}(\zeta_2 - \zeta_1)$						
$\frac{1}{2}(\zeta_2 - \zeta_1)$ in secs.						
log ditto						
T						
log s						
log [s tan $\frac{1}{2}(\zeta_2 - \zeta_1)$]						
log A						
log B						
log C						
log ($h_2 - h_1$)						
$h_2 - h_1$						
h_1						
h_2						
2 log s						
log p = 9 - 2 log s						
p of ($h_2 - h_1$)						
α and mean ϕ						
$\zeta_1 + \zeta_2 - 180^\circ$						
$\zeta_1 + \zeta_2 - 180^\circ$ in sec.						
log ditto						
log ρ						
colog s						
log $\frac{\sin 1''}{2} = 4.38454$						
log (0.5 - m)						
(0.5 - m)						
p of (0.5 - m)*						

*Since (0.5-m) varies as s^2 , the weight $p = \frac{s^2}{N}$, where N is constant for a set and is preferably a power of 10.

COMPUTED BY	DATE (YYYYMMDD)	CHECKED BY	DATE (YYYYMMDD)
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