POLIGONAL ABIERTA

CALCULO Y AJUSTE

PUNTO	ANG HORZ	DIST	AZIMUT	AZ. CORREGIDO	PROYECCION CALCULADA		CORRECCION		PROYECCION CORREGIDA		COORDENADAS		PUNTO
A					N-S	E-O	N-S	E-O	N-S	E-W	N	E	
	00° 00' 00"		218° 16' 32"										
B											5013.969	15357.378	B
	52° 32' 15"	728.453	90° 48' 47"	90° 48' 52"	-10.354	728.379	-0.011	-0.026	-10.365	728.353			
1											5003.604	16085.731	1
	122° 16' 47"	625.348	33° 05' 34"	33° 05' 44"	523.892	341.463	-0.01	-0.022	523.882	341.441			
2											5527.486	16427.172	2
	225° 21' 43"	680.745	78° 27' 17"	78° 27' 32"	136.197	666.981	-0.01	-0.025	136.187	666.956			
3											5663.673	17094.128	3
	215° 16' 26"	420.331	113° 43' 43"	113° 44' 03"	-169.181	384.781	-0.006	-0.015	-169.187	384.766			
4											5494.486	17478.894	4
	110° 13' 07"	765.358	43° 56' 50"	43° 57' 15"	550.978	531.222	-0.012	-0.028	550.966	531.194			
C											6045.452	18010.088	C
	85° 42' 31"		309° 39' 21"	309° 39' 51"								309° 39' 51"	
D													D
		ΣL			$\Sigma\Delta_{N-S}$	$\Sigma\Delta_{E-O}$	$\varepsilon\Delta N$	$\varepsilon\Delta E$	$\Sigma\Delta_{N-S}$ Corr.	$\Sigma\Delta_{E-O}$ Corr.	ΔN	ΔE	
$Ea = \varphi f_c - \varphi_f$ =	20	3220.235			1031.532	2652.826	-0.049	-0.116	1031.483	2652.710	1031.483	2652.71	
Ea=	0° 0'30"										TEST DE AJUSTE		
$Ta = a\sqrt{n}$ Ta=	0 0' 49"				$\varepsilon L = \sqrt{\varepsilon\Delta N^2 + \varepsilon\Delta E^2}$	= 0.12592458	$CpNi = -\left(\frac{\varepsilon\Delta N}{\Sigma Li}\right) \cdot Li$				N	E	
											0.000	0.000	
					$P = \frac{\varepsilon L}{\Sigma L}$	= 3.9104E-05	$CpE_i = -\left(\frac{\varepsilon\Delta E}{\Sigma Li}\right) \cdot Li$						
					$n = 1/P$	= 25573							

Nota: Una vez ajustada la poligonal principal se procede a calcular las radiaciones en los respectivos vertices, si aplica.