



1:500

4 BLOCK

* * * * * 街 区 成 果 表 * * * * *

点 名	X	Y	点 名	X	Y	点 名	X	Y
4-23	- 146433.958	- 52875.338	4-16	- 146431.888	- 52873.182	4-2	- 146431.873	- 52860.927
4-3	- 146419.821	- 52854.474	4-4	- 146411.012	- 52843.265	4-5	- 146407.844	- 52839.296
4-6	- 146406.459	- 52837.848	4-7	- 146401.969	- 52833.779	4-17	- 146399.160	- 52830.912
4-18	- 146400.355	- 52827.040	4-9	- 146425.016	- 52821.017	4-19	- 146450.725	- 52814.713
4-20	- 146453.305	- 52816.268	4-11	- 146457.079	- 52831.946	4-12	- 146458.453	- 52840.554
4-13	- 146463.211	- 52869.968	4-21	- 146463.874	- 52873.933	4-22	- 146461.897	- 52876.177
4-15	- 146442.644	- 52875.617						
4-1	- 146431.890	- 52875.272	4-8	- 146396.330	- 52828.023	4-10	- 146452.807	- 52814.202
4-14	- 146464.261	- 52876.246						

点名 1	点名 2	方向角	距離	点名 1	点名 2	方向角	距離	点名 1	点名 2	方向角	距離
4-23	4-16	46- 9-57	2.989	4-16	4-2	89-55-48	12.255	4-2	4-3	28- 9-57	13.671
4-3	4-4	51-50-12	14.256	4-4	4-5	51-24-13	5.078	4-5	4-6	46-16-26	2.004
4-6	4-7	42-11- 2	6.059	4-7	4-17	45-35- 8	4.014	4-17	4-18	107- 9- 6	4.052
4-18	4-9	166-16-31	25.386	4-9	4-19	166-13-21	26.471	4-19	4-20	211- 4-41	3.012
4-20	4-11	256-27-55	16.126	4-11	4-12	260-55-52	8.717	4-12	4-13	260-48-41	29.796
4-13	4-21	260-30-26	4.020	4-21	4-22	311-22-50	2.991	4-22	4-15	1-39-58	19.261
4-15	4-23	1-50-23	8.690								
4-1	4-23	181-50-23	2.069	4-1	4-16	89-55-48	2.090				
4-8	4-17	225-35- 8	4.044	4-8	4-18	166-16-31	4.144				
4-10	4-19	346-13-21	2.144	4-10	4-20	256-27-55	2.125				
4-14	4-21	80-30-26	2.345	4-14	4-22	1-39-58	2.365				

点 名	内 角	点 名	内 角	点 名	内 角	点 名	内 角
4-23	135- 40- 26	4-16	136- 14- 9	4-2	241- 45- 51	4-3	156- 19- 45
4-4	180- 25- 59	4-5	185- 7- 47	4-6	184- 5- 24	4-7	176- 35- 54
4-17	118- 26- 2	4-18	120- 52- 35	4-9	180- 3- 10	4-19	135- 8- 40
4-20	134- 36- 46	4-11	175- 32- 3	4-12	180- 7- 11	4-13	180- 18- 15
4-21	129- 7- 36	4-22	129- 42- 52	4-15	179- 49- 35		
4-1	91- 54- 35	4-8	59- 18- 37	4-10	89- 45- 26	4-14	78- 50- 28

* * * 突出し計算書 * * *

NO.	1		2		3
視準点名	T45		T45		T45
観測点名	T69	方向角 1 44-51-10		44-51-10	44-51-10
求点名	4-2	観測角 162-32-35		151-30- 5	9-21-20
		方向角 2 207-23-45		4-3	4-4
					54-12-30
距離	14.614		0.962		13.484
COS & SIN	- 0.887849	- 0.460135	- 0.959540	- 0.281574	+ 0.584840 + 0.811149
X 1 . Y 1 =	-146418.898	- 52854.203	-146418.898	- 52854.203	-146418.898 - 52854.203
DX . DY =	- 12.975	- 6.724	- 0.923	- 0.271	+ 7.886 + 10.938
X 2 . Y 2 =	-146431.873	- 52860.927	-146419.821	- 52854.474	-146411.012 - 52843.265

NO.	4		5		6
視準点名	T69		T46		T46
観測点名	T45	方向角 1 224-51-10		162- 6-11	162- 6-11
求点名	4-5	観測角 351-44-50		53-23- 0	49-48-50
		方向角 2 216-36- 0		4-6	4-7
					211-55- 1
距離	19.312		17.340		11.344
COS & SIN	- 0.802817	- 0.596225	- 0.814253	- 0.580510	- 0.848815 - 0.528689
X 1 . Y 1 =	-146392.340	- 52827.782	-146392.340	- 52827.782	-146392.340 - 52827.782
DX . DY =	- 15.504	- 11.514	- 14.119	- 10.066	- 9.629 - 5.997
X 2 . Y 2 =	-146407.844	- 52839.296	-146406.459	- 52837.848	-146401.969 - 52833.779

NO.	7		8		9
視準点名	T8		T5		T5
観測点名	T46	方向角 1 169-35- 7		73-58-43	73-58-43
求点名	4-9	観測角 50-44-40		198- 1-35	194-42-15
		方向角 2 220-19-47		4-11	4-12
					268-40-58
距離	4.239		20.302		28.906
COS & SIN	- 0.762333	- 0.647185	+ 0.034987	- 0.999388	- 0.022988 - 0.999736
X 1 . Y 1 =	-146421.784	- 52818.274	-146457.789	- 52811.656	-146457.789 - 52811.656
DX . DY =	- 3.232	- 2.743	+ 0.710	- 20.290	- 0.664 - 28.898
X 2 . Y 2 =	-146425.016	- 52821.017	-146457.079	- 52831.946	-146458.453 - 52840.554

* * * 突出し計算書 * * *

NO.	10		11		12	
視準点名	T47		T69		T69	
観測点名	T7	方向角 1 178-16-48		47-37-57	47-37-57	
求点名	4-13	観測角 239-19-35		60-19- 5	343-34- 5	
		方向角 2 57-36-23	4-15	107-57- 2	31-12- 2	
距離	15.420		3.585		11.283	
COS & SIN	+ 0.535733	+ 0.844388	- 0.308196	+ 0.951323	+ 0.855359	+ 0.518035
X 1 . Y 1 =	-146471.472	- 52882.988	-146441.539	- 52879.027	-146441.539	- 52879.027
DX . DY =	+ 8.261	+ 13.020	- 1.105	+ 3.410	+ 9.651	+ 5.845
X 2 . Y 2 =	-146463.211	- 52869.968	-146442.644	- 52875.617	-146431.888	- 52873.182

NO.	13		14		15	
視準点名	T46		T46		T46	
観測点名	T45	方向角 1 162- 6-11		162- 6-11	349-35- 7	
求点名	4-17	観測角 42-32-50		12-36-30	347- 0-45	
		方向角 2 204-39- 1	4-18	174-42-41	336-35-52	
距離	7.504		8.049		7.697	
COS & SIN	- 0.908870	- 0.417078	- 0.995743	+ 0.092173	+ 0.917739	- 0.397183
X 1 . Y 1 =	-146392.340	- 52827.782	-146392.340	- 52827.782	-146457.789	- 52811.656
DX . DY =	- 6.820	- 3.130	- 8.015	+ 0.742	+ 7.064	- 3.057
X 2 . Y 2 =	-146399.160	- 52830.912	-146400.355	- 52827.040	-146450.725	- 52814.713

NO.	16		17		18	
視準点名	T46		T47		T47	
観測点名	T8	方向角 1 349-35- 7		178-16-48	178-16-48	
求点名	4-20	観測角 324-36-30		231-43-15	217- 8-45	
		方向角 2 314-11-37	4-21	50- 0- 3	35-25-33	
距離	6.433		11.820		11.751	
COS & SIN	+ 0.697085	- 0.716988	+ 0.642776	+ 0.766054	+ 0.814867	+ 0.579649
X 1 . Y 1 =	-146457.789	- 52811.656	-146471.472	- 52882.988	-146471.472	- 52882.988
DX . DY =	+ 4.484	- 4.612	+ 7.598	+ 9.055	+ 9.575	+ 6.811
X 2 . Y 2 =	-146453.305	- 52816.268	-146463.874	- 52873.933	-146461.897	- 52876.177

* * * 突出し計算書 * * *

NO.	19		
視準点名	T69	方向角 1	47-37-57
観測点名	T6	観測角	338-19- 0
求点名	4-23	方向角 2	25-56-57
距離	8.431		
COS & SIN	+ 0.899183	+ 0.437574	
X 1 . Y 1 =	-146441.539	- 52879.027	
DX . DY =	+ 7.581	+ 3.689	
X 2 . Y 2 =	-146433.958	- 52875.338	

* * * 方 向 角 · 距 離 計 算 書 * * *

NO 1
 点名 X Y
 1 4-23 - 146433.958 - 52875.338
 2 4-16 - 146431.888 - 52873.182
 COS=+ 0.692574 SIN=+ 0.721347
 A L= 46- 9-57 L = 2.989

NO 2
 点名 X Y
 1 4-16 - 146431.888 - 52873.182
 2 4-2 - 146431.873 - 52860.927
 COS=+ 0.001224 SIN=+ 0.999999
 A L= 89-55-48 L = 12.255

NO 3
 点名 X Y
 1 4-2 - 146431.873 - 52860.927
 2 4-3 - 146419.821 - 52854.474
 COS=+ 0.881584 SIN=+ 0.472027
 A L= 28- 9-57 L = 13.671

NO 4
 点名 X Y
 1 4-3 - 146419.821 - 52854.474
 2 4-4 - 146411.012 - 52843.265
 COS=+ 0.617905 SIN=+ 0.786253
 A L= 51-50-12 L = 14.256

NO 5
 点名 X Y
 1 4-4 - 146411.012 - 52843.265
 2 4-5 - 146407.844 - 52839.296
 COS=+ 0.623830 SIN=+ 0.781560
 A L= 51-24-13 L = 5.078

NO 6
 点名 X Y
 1 4-5 - 146407.844 - 52839.296
 2 4-6 - 146406.459 - 52837.848
 COS=+ 0.691211 SIN=+ 0.722653
 A L= 46-16-26 L = 2.004

NO 7
 点名 X Y
 1 4-6 - 146406.459 - 52837.848
 2 4-7 - 146401.969 - 52833.779
 COS=+ 0.740992 SIN=+ 0.671514
 A L= 42-11- 2 L = 6.059

NO 8
 点名 X Y
 1 4-7 - 146401.969 - 52833.779
 2 4-17 - 146399.160 - 52830.912
 COS=+ 0.699845 SIN=+ 0.714295
 A L= 45-35- 8 L = 4.014

NO 9
 点名 X Y
 1 4-17 - 146399.160 - 52830.912
 2 4-18 - 146400.355 - 52827.040
 COS=- 0.294901 SIN=+ 0.955528
 A L= 107- 9- 6 L = 4.052

NO 10
 点名 X Y
 1 4-18 - 146400.355 - 52827.040
 2 4-9 - 146425.016 - 52821.017
 COS=- 0.971447 SIN=+ 0.237258
 A L= 166-16-31 L = 25.386

NO 11
 点名 X Y
 1 4-9 - 146425.016 - 52821.017
 2 4-19 - 146450.725 - 52814.713
 COS=- 0.971228 SIN=+ 0.238151
 A L= 166-13-21 L = 26.471

NO 12
 点名 X Y
 1 4-19 - 146450.725 - 52814.713
 2 4-20 - 146453.305 - 52816.268
 COS=- 0.856466 SIN=- 0.516203
 A L= 211- 4-41 L = 3.012

NO 13
 点名 X Y
 1 4-20 - 146453.305 - 52816.268
 2 4-11 - 146457.079 - 52831.946
 COS=- 0.234034 SIN=- 0.972228
 A L= 256-27-55 L = 16.126

NO 14
 点名 X Y
 1 4-11 - 146457.079 - 52831.946
 2 4-12 - 146458.453 - 52840.554
 COS=- 0.157624 SIN=- 0.987499
 A L= 260-55-52 L = 8.717

NO 15
 点名 X Y
 1 4-12 - 146458.453 - 52840.554
 2 4-13 - 146463.211 - 52869.968
 COS=- 0.159684 SIN=- 0.987168
 A L= 260-48-41 L = 29.796

* * * 方 向 角 · 距 離 計 算 書 * * *

NO 16
 点名 X Y
 1 4-13 - 146463.211 - 52869.968
 2 4-21 - 146463.874 - 52873.933
 COS=- 0.164923 SIN=- 0.986306
 A L= 260-30-26 L = 4.020

NO 17
 点名 X Y
 1 4-21 - 146463.874 - 52873.933
 2 4-22 - 146461.897 - 52876.177
 COS=+ 0.661057 SIN=- 0.750335
 A L= 311-22-50 L = 2.991

NO 18
 点名 X Y
 1 4-22 - 146461.897 - 52876.177
 2 4-15 - 146442.644 - 52875.617
 COS=+ 0.999577 SIN=+ 0.029074
 A L= 1-39-58 L = 19.261

NO 19
 点名 X Y
 1 4-15 - 146442.644 - 52875.617
 2 4-23 - 146433.958 - 52875.338
 COS=+ 0.999485 SIN=+ 0.032104
 A L= 1-50-23 L = 8.690

* * * * * 2 直 線 の 交 点 計 算 書 * * * * *

求 点 名	N O	1 4-1	2	4-8	3	4-10		
ALH T1.T2	1-50-23	269-55-48	45-35- 8	346-16-31	166-13-21	76-27-55		
SIN T1.T2	+0.032104	-0.999999	+0.714296	-0.237257	+0.238152	+0.972228		
COS T1.T2	+0.999485	-0.001222	+0.699843	+0.971447	-0.971228	+0.234035		
コウカク = T	91-54-35		59-18-37		89-45-26			
COSEC T	+ 1.000556		+ 1.162867		+ 1.000009			
	X	Y						
1 4-23	- 146433.958	- 52875.338	4-17	- 146399.160	- 52830.912	4-19	- 146450.725	- 52814.713
2 4-16	- 146431.888	- 52873.182	4-18	- 146400.355	- 52827.040	4-20	- 146453.305	- 52816.268
X1-2.Y2-1	- 2.070	+ 2.156		+ 1.195	+ 3.872		+ 2.580	- 1.555
X1-2*SI1.2	- 0.0665	+ 2.0700		+ 0.8536	- 0.2835		+ 0.6144	+ 2.5083
Y2-1*CO1.2	+ 2.1549	- 0.0026		+ 2.7098	+ 3.7614		+ 1.5103	- 0.3639
COSEC*S1.2	+ 2.0896	+ 2.0685		+ 4.1437	+ 4.0444		+ 2.1247	+ 2.1444
キヨリ S1.S2	2.069	2.090		4.044	4.144		2.144	2.125
	X	Y						
1 4-23	- 146433.958	- 52875.338	4-17	- 146399.160	- 52830.912	4-19	- 146450.725	- 52814.713
DX DY	+ 2.068	+ 0.066		+ 2.830	+ 2.889		- 2.082	+ 0.511
3 4-1	- 146431.890	- 52875.272	4-8	- 146396.330	- 52828.023	4-10	- 146452.807	- 52814.202

求 点 名	N O	4 4-14
ALH T1.T2	260-30-26	181-39-58
SIN T1.T2	-0.986306	-0.029075
COS T1.T2	-0.164923	-0.999577
コウカク = T	78-50-28	
COSEC T	+ 1.019270	
	X	Y
1 4-21	- 146463.874	- 52873.933
2 4-22	- 146461.897	- 52876.177
X1-2.Y2-1	- 1.977	- 2.244
X1-2*SI1.2	+ 1.9499	+ 0.0575
Y2-1*CO1.2	+ 0.3701	+ 2.2431
COSEC*S1.2	+ 2.3647	+ 2.3449
キヨリ S1.S2	2.345	2.365
	X	Y
1 4-21	- 146463.874	- 52873.933
DX DY	- 0.387	- 2.313
3 4-14	- 146464.261	- 52876.246

* * * * * 各 筆 面 積 計 算 書 * * * * *

4 BLOCK

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146300.000	- 52800.000		
4-23	- 146433.958	- 52875.338		
4-16	- 146431.888	- 52873.182	+ 9936.178144	+ 9803.314356
4-2	- 146431.873	- 52860.927	+ 9650.729886	+ 8035.540176
4-3	- 146419.821	- 52854.474	+ 7300.334067	+ 7183.649802
4-4	- 146411.012	- 52843.265	+ 6047.267688	+ 5184.055565
4-5	- 146407.844	- 52839.296	+ 4665.870660	+ 4362.327552
4-6	- 146406.459	- 52837.848	+ 4183.412864	+ 4081.679712
4-7	- 146401.969	- 52833.779	+ 3859.322712	+ 3596.078561
4-17	- 146399.160	- 52830.912	+ 3349.525640	+ 3152.065728
4-18	- 146400.355	- 52827.040	+ 3102.173760	+ 2681.286400
4-9	- 146425.016	- 52821.017	+ 3380.432640	+ 2109.161035
4-19	- 146450.725	- 52814.713	+ 3167.787325	+ 1839.360408
4-20	- 146453.305	- 52816.268	+ 2255.576465	+ 2451.994300
4-11	- 146457.079	- 52831.946	+ 2555.361172	+ 4897.481530
4-12	- 146458.453	- 52840.554	+ 5061.939538	+ 6370.181766
4-13	- 146463.211	- 52869.968	+ 6618.858894	+ 11086.639504
4-21	- 146463.874	- 52873.933	+ 11465.936032	+ 12066.678863
4-22	- 146461.897	- 52876.177	+ 11969.530901	+ 12483.429698
4-15	- 146442.644	- 52875.617	+ 10866.191988	+ 12242.165449
4-23	- 146433.958	- 52875.338	+ 10129.502086	+ 10746.513672
			+119565.932462	+124373.604077
		倍面積	= 4807.671615	
		面積	= 2403.835807	

タク子

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146300.000	- 52800.000		
4-23	- 146433.958	- 52875.338		
4-16	- 146431.888	- 52873.182	+ 9936.178144	+ 9803.314356
4-2	- 146431.873	- 52860.927	+ 9650.729886	+ 8035.540176
4-3	- 146419.821	- 52854.474	+ 7300.334067	+ 7183.649802
4-4	- 146411.012	- 52843.265	+ 6047.267688	+ 5184.055565
4-5	- 146407.844	- 52839.296	+ 4665.870660	+ 4362.327552
4-6	- 146406.459	- 52837.848	+ 4183.412864	+ 4081.679712
4-7	- 146401.969	- 52833.779	+ 3859.322712	+ 3596.078561
4-17	- 146399.160	- 52830.912	+ 3349.525640	+ 3152.065728
4-18	- 146400.355	- 52827.040	+ 3102.173760	+ 2681.286400
4-9	- 146425.016	- 52821.017	+ 3380.432640	+ 2109.161035
4-19	- 146450.725	- 52814.713	+ 3167.787325	+ 1839.360408
4-20	- 146453.305	- 52816.268	+ 2255.576465	+ 2451.994300
4-11	- 146457.079	- 52831.946	+ 2555.361172	+ 4897.481530
4-12	- 146458.453	- 52840.554	+ 5061.939538	+ 6370.181766
4-13	- 146463.211	- 52869.968	+ 6618.858894	+ 11086.639504

* * * * * 各 筆 面 積 計 算 書 * * * * *

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
4-21	- 146463.874	- 52873.933	+ 11465.936032	+ 12066.678863
4-22	- 146461.897	- 52876.177	+ 11969.530901	+ 12483.429698
4-15	- 146442.644	- 52875.617	+ 10866.191988	+ 12242.165449
4-23	- 146433.958	- 52875.338	+ 10129.502086	+ 10746.513672
			+119565.932462	+124373.604077
		倍面積	= 4807.671615	
		面積	= 2403.835807	

1 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146400.000	- 52800.000		
4-1	- 146431.890	- 52875.272		
4-23	- 146433.958	- 52875.338	+ 2556.086576	+ 2402.528820
4-16	- 146431.888	- 52873.182	+ 2402.378144	+ 2485.114356
4-1	- 146431.890	- 52875.272	+ 2333.773980	+ 2400.273536
			+ 7292.238700	+ 7287.916712
		倍面積	= 4.321988	
		面積	= 2.160994	

8 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146300.000	- 52800.000		
4-8	- 146396.330	- 52828.023		
4-17	- 146399.160	- 52830.912	+ 2778.760680	+ 2977.752960
4-18	- 146400.355	- 52827.040	+ 3102.173760	+ 2681.286400
4-8	- 146396.330	- 52828.023	+ 2604.763200	+ 2812.248165
			+ 8485.697640	+ 8471.287525
		倍面積	= 14.410115	
		面積	= 7.205057	

10 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146400.000	- 52800.000		
4-10	- 146452.807	- 52814.202		
4-19	- 146450.725	- 52814.713	+ 720.396450	+ 776.949391
4-20	- 146453.305	- 52816.268	+ 784.276465	+ 825.194300
4-10	- 146452.807	- 52814.202	+ 859.064276	+ 757.037610
			+ 2363.737191	+ 2359.181301
		倍面積	= 4.555890	
		面積	= 2.277945	

* * * * * 各 筆 面 積 計 算 書 * * * * *

14 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146400.000	- 52800.000		
4-14	- 146464.261	- 52876.246		
4-21	- 146463.874	- 52873.933	+ 4870.137004	+ 4751.008513
4-22	- 146461.897	- 52876.177	+ 4576.230901	+ 4865.729698
4-14	- 146464.261	- 52876.246	+ 4895.210197	+ 4719.398662
			+ 14341.578102	+ 14336.136873
		倍面積	= 5.441229	
		面積	= 2.720614	

* * * 各筆面積 集計表 * * *

街区名・筆名	各筆面積	隔切面積
4 BLOCK	2403.83	
タク子	2403.83	
1 スミキリ		2.16
8 スミキリ		7.20
10 スミキリ		2.27
14 スミキリ		2.72
合計 =	2403.83	14.35