

DOKUMENTASJON UTJEVNINGSBEREGNINGER

ADMINISTRATIVE DATA

Oppdrag : FV 710 BOTTENGAARD INN

GJENNOMSNIITTSPARAMETRE

Geoidehøyde [m] : 40.000
Rotasjon [gon] : 0.00000
Målestokk [m/km] : 0.000
Nordlig loddavvik [gon] : 0.00000
Østlig loddavvik [gon] : 0.00000

DATUMPARAMETRE

System : EUREF89 - SONE 32
Akse / Sone : 32
Lang halvakse [m] : 6378137.000
Flattrykning [1/f] : 298.2572221010000
Tangeringsmeridian [deg] : 9.0000000000000
Skalafaktor : 0.999600
Addisjonskonst. nord [m] : 0.000
Addisjonskonst. øst [m] : 500000.000
Rotasjon [deg] : 0.000000
Vertikaldatum : NN2000

INSTRUMENTPARAMETRE

INSTRUMENT : 61: CPOS

Std.avvik	Konstantdel	Avstandsavhengig
Standardavvik grunnriss:	0.0200 m	
Standardavvik høyde :	0.0300 m	
Sentrering Grunnriss :	0.0010 m	
Sentrering Høyde :	0.0020 m	

YTRE PÅLITELIGHET

DATUM: EUREF89 - SONE 32

UTJEVNING I GRUNNRISS

TVUNGEN UTJEVNING

GITTE KOORDINATER [meter]

PUNKT	N	E	H
-------	---	---	---

NYBESTEMTE KOORDINATER MED MIDLERE FEIL [meter]

PUNKT	N	E	H	sN	sE	sH
-------	---	---	---	----	----	----

1	7070732.332	539369.108		0.005	0.002	
2	7070713.468	539388.438		0.005	0.003	
3	7070687.617	539421.552		0.005	0.002	
4	7070670.880	539446.231		0.005	0.003	
5	7070662.595	539463.590		0.005	0.002	
6	7070657.415	539479.202		0.005	0.003	
7	7070651.615	539498.814		0.006	0.003	
8	7070647.892	539518.629		0.005	0.002	
9	7070649.016	539520.509		0.005	0.002	
10	7070647.210	539522.622		0.005	0.002	
11	7070644.668	539532.195		0.006	0.003	
12	7070643.095	539551.688		0.006	0.003	
13	7070642.309	539565.645		0.006	0.003	
14	7070643.779	539575.664		0.006	0.003	
15	7070646.506	539580.600		0.006	0.003	
16	7070651.299	539584.628		0.007	0.003	
17	7070660.066	539586.713		0.006	0.003	
18	7070680.303	539586.278		0.008	0.003	
19	7070694.742	539587.595		0.006	0.003	
20	7070705.483	539590.949		0.006	0.003	
21	7070619.836	539564.177		0.007	0.003	
22	7070618.093	539539.022		0.005	0.002	
23	7070621.931	539509.676		0.007	0.003	
24	7070624.873	539490.403		0.005	0.002	
25	7070638.618	539448.056		0.006	0.002	

26	7070650.078	539423.287	0.006	0.002
27	7070665.186	539395.371	0.006	0.003
28	7070676.599	539381.249	0.006	0.002
29	7070690.530	539361.195	0.006	0.002
30	7070917.948	540385.364	0.006	0.002
31	7070927.126	540395.871	0.006	0.002
32	7070923.586	540411.453	0.005	0.002
33	7070955.348	540429.572	0.005	0.002
34	7070980.530	540458.401	0.006	0.002
35	7070996.220	540480.861	0.006	0.002
36	7071007.273	540502.664	0.006	0.002
37	7071009.228	540520.801	0.006	0.002
38	7071014.750	540533.063	0.005	0.002
39	7071012.580	540546.334	0.005	0.002
40	7071015.992	540570.232	0.005	0.002
41	7071015.647	540591.251	0.006	0.003
42	7071009.624	540613.546	0.006	0.003
43	7071004.440	540628.390	0.006	0.003
44	7071020.079	540635.255	0.005	0.002
45	7071033.257	540607.805	0.005	0.002
46	7071039.400	540605.556	0.004	0.002
47	7071046.468	540594.607	0.004	0.002
48	7071052.481	540590.794	0.005	0.002
49	7071057.642	540590.791	0.004	0.002
50	7071063.543	540594.075	0.005	0.002
51	7071069.783	540609.849	0.005	0.003
52	7071075.191	540629.459	0.004	0.002
53	7071083.199	540639.772	0.011	0.006
54	7071091.041	540649.904	0.007	0.004
55	7071102.404	540682.994	0.005	0.003
56	7071121.052	540678.679	0.004	0.002
57	7071116.740	540671.700	0.004	0.002
58	7071112.899	540659.001	0.004	0.002
59	7071107.266	540641.781	0.005	0.003
60	7071103.003	540621.374	0.005	0.003
61	7071100.127	540602.804	0.004	0.002
62	7071091.244	540572.107	0.004	0.003
63	7071094.353	540562.466	0.005	0.003
64	7071106.803	540557.079	0.006	0.003
65	7071134.248	540553.400	0.005	0.003
66	7071121.070	540534.523	0.005	0.003
67	7071107.288	540535.597	0.008	0.004
68	7071089.093	540533.339	0.004	0.003
69	7071083.744	540529.485	0.005	0.003
70	7071081.558	540522.033	0.005	0.003
71	7071077.153	540476.126	0.006	0.004
72	7071076.011	540460.351	0.004	0.003
73	7071062.156	540461.574	0.005	0.003
74	7071057.141	540475.773	0.004	0.002
75	7071053.739	540490.809	0.005	0.003
76	7071039.425	540493.532	0.005	0.003
77	7071014.892	540466.557	0.005	0.003
78	7070994.765	540438.624	0.006	0.004
79	7070967.042	540408.139	0.006	0.004
80	7070950.353	540389.930	0.005	0.003
81	7070947.628	540369.331	0.004	0.002
82	7070943.753	540357.533	0.004	0.003
83	7070910.706	540337.956	0.005	0.003
A1	7071080.291	540627.712	0.004	0.002
A2	7071072.724	540606.570	0.005	0.002
A3	7071068.341	540595.146	0.005	0.002
A4	7071064.875	540590.710	0.004	0.002
A5	7071060.198	540587.804	0.004	0.002
A6	7071053.958	540586.811	0.004	0.002
A7	7071047.927	540588.409	0.004	0.002
A8	7071043.465	540591.969	0.004	0.002
A9	7071039.352	540599.540	0.004	0.002
GGM	7070621.052	539573.089	0.005	0.002

YTRE PÅLITELIGHET - KOORDINATER [meter]

KOORDINAT	Observasjon....[meter/gon]			Indre pål.	Ytre pål.
P 1	1	2	X	-0.023	0.012
P 2	2	2	X	-0.026	0.014
P 3	3	2	X	0.022	0.011
P 4	4	1	X	-0.023	0.012
P 5	5	2	X	-0.021	0.011
P 6	6	1	X	0.029	0.016
P 7	7	1	X	-0.029	0.015

P 8	8	2	X	-0.029	0.017
P 9	9	2	X	-0.029	0.015
P 10	10	1	X	0.025	0.013
P 11	11	2	X	0.023	0.013
P 12	12	2	X	0.027	0.017
P 13	13	2	X	0.033	0.017
P 14	14	2	X	-0.027	0.015
P 15	15	2	X	0.026	0.015
P 16	16	2	X	-0.032	0.016
P 17	17	2	X	-0.034	0.018
P 18	18	2	X	-0.039	0.023
P 19	19	2	X	-0.029	0.017
P 20	20	2	X	-0.030	0.016
P 21	21	1	X	0.038	0.021
P 22	22	2	X	0.023	0.012
P 23	23	1	X	0.034	0.017
P 24	24	2	X	0.025	0.013
P 25	25	2	X	0.026	0.014
P 26	26	1	X	-0.023	0.013
P 27	27	1	X	0.026	0.013
P 28	28	2	X	-0.030	0.016
P 29	29	2	X	-0.026	0.014
P 30	30	1	X	0.026	0.013
P 31	31	2	X	0.027	0.017
P 32	32	1	X	-0.023	0.012
P 33	33	2	X	0.022	0.012
P 34	34	2	X	-0.028	0.015
P 35	35	1	X	0.033	0.018
P 36	36	2	X	-0.025	0.013
P 37	37	2	X	-0.031	0.017
P 38	38	2	X	0.024	0.013
P 39	39	2	X	-0.023	0.012
P 40	40	2	X	-0.025	0.014
P 41	41	2	X	0.032	0.018
P 42	42	2	X	-0.027	0.016
P 43	43	2	X	0.027	0.018
P 44	44	2	X	0.020	0.010
P 45	45	2	X	0.023	0.012
P 46	46	2	X	-0.021	0.012
P 47	47	2	X	-0.019	0.010
P 48	48	2	Y	0.026	0.015
P 49	49	2	X	-0.025	0.014
P 50	50	2	X	-0.028	0.015
P 51	51	2	X	-0.019	0.010
P 52	52	1	X	-0.021	0.013
P 53	53	2	X	-0.044	0.023
P 54	54	2	X	0.029	0.015
P 55	55	2	X	0.024	0.013
P 56	56	1	X	-0.024	0.012
P 57	57	1	Y	0.024	0.013
P 58	58	1	X	0.021	0.010
P 59	59	2	X	-0.031	0.016
P 60	60	2	X	-0.027	0.015
P 61	61	2	X	0.023	0.012
P 62	62	2	X	0.018	0.009
P 63	63	1	X	0.033	0.017
P 64	64	2	X	-0.027	0.014
P 65	65	2	X	0.020	0.011
P 66	66	2	X	-0.021	0.011
P 67	67	1	X	0.046	0.024
P 68	68	2	X	0.021	0.012
P 69	69	2	X	-0.024	0.013
P 70	70	2	X	-0.020	0.010
P 71	71	2	X	-0.034	0.020
P 72	72	2	X	0.019	0.010
P 73	73	2	X	0.028	0.014
P 74	74	2	X	-0.023	0.013
P 75	75	2	Y	-0.021	0.011
P 76	76	1	X	-0.024	0.013
P 77	77	1	X	-0.022	0.011
P 78	78	2	X	0.029	0.016
P 79	79	2	X	-0.037	0.023
P 80	80	1	X	0.026	0.014
P 81	81	2	X	0.017	0.009
P 82	82	1	X	0.022	0.013
P 83	83	2	X	0.025	0.015
P A1	A1	2	X	-0.021	0.012
P A2	A2	2	X	-0.021	0.011
P A3	A3	2	X	0.019	0.010
P A4	A4	2	Y	0.021	0.012
P A5	A5	2	X	0.019	0.011

P A6	A6	1	X	0.020	0.011
P A7	A7	2	X	0.027	0.017
P A8	A8	1	X	0.022	0.012
P A9	A9	1	X	-0.018	0.010
P GGM	GGM	2	X	0.023	0.012

Normparametre:

Normtype : Stedfesting av matrikkelenhets- og råderettsgrenser
 Normklasse : 2 : Tettbygd/utbyggingsområder (k= 100 mm)

Tabellverdi=1.97 (Student-t, f=185, alfa=0.0250)

STATISTIKK

Antall iterasjoner	:	1
Antall observasjoner grunnrisskoordinater	:	372
Antall observasjoner	:	372
Antall ukjente grunnrisskoordinater	:	186
Antall ukjente	:	186
Antall overbestemmelser	:	186
Antall korrelasjoner	:	186
Feilkvadratsum	:	253.87851317
Beregnet std.avvik på vektsenheten	:	1.1683
Antatt std.avvik på vektsenheten	:	1.0000

GRATULERER, Alle punkt godtas av eiendomsnormen !