DOKUMENTASJON UTJEVNINGSBEREGNINGER
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ADMINISTRATIVE DATA
Oppdrag : FV 715 HESTMOEN - FORSAMLINGSHU

GJENNOMSNITTSPARAMETRE
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	7124776.261	581289.405		0.006	0.004	
2	7124775.742	581283.719		0.007	0.004	
3	7124765.780	581258.110		0.008	0.004	
4	7124756.822	581221.545		0.014	0.007	
5	7124753.359	581201.069		0.014	0.006	
6	7124750.700	581186.365		0.008	0.004	
7	7124746.208	581176.690		0.010	0.005	
8	7124742.041	581157.879		0.008	0.004	
9	7124746.732	581127.092		0.007	0.004	
10	7124746.049	581110.149		0.007	0.004	
14	7124745.972	581009.782		0.007	0.003	
15	7124747.012	580999.565		0.006	0.003	
16	7124745.943	580977.683		0.006	0.003	
17	7124743.854	580948.743		0.007	0.004	
18	7124740.395	580921.291		0.008	0.004	
19	7124735.996	580884.686		0.007	0.003	
20	7124730.240	580823.352		0.006	0.003	
21	7124728.228	580804.331		0.009	0.005	
22	7124729.004	580797.202		0.008	0.004	
23	7124727.166	580773.855		0.008	0.004	
24	7124725.795	580755.694		0.009	0.005	
25	7124725.622	580741.035		0.010	0.005	
26	7124723.654	580735.413		0.009	0.004	
27	7124717.621	580726.183		0.008	0.004	
28	7124713.250	580715.340		0.007	0.004	

29	7124706.990	580699.912	0.007	0.003
30	7124690.797	580669.231	0.007	0.003
31	7124684.282	580665.479	0.010	0.004
32	7124657.035	580673.763	0.010	0.004
33	7124672.869	580685.753	0.008	0.004
34	7124683.481	580690.700	0.007	0.004
35	7124697.081	580718.411	0.009	0.004
36	7124704.503	580754.876	0.008	0.004
37	7124707.865	580798.467	0.009	0.005
38	7124710.199	580827.831	0.007	0.004
39	7124713.590	580870.256	0.007	0.004
40	7124718.489	580903.080	0.007	0.004
41	7124720.445	580935.111	0.008	0.004
42	7124723.717	580972.669	0.007	0.004
43	7124725.698	581024.006	0.007	0.004
44	7124725.683	581073.533	0.007	0.003
45	7124744.700	581092.560	0.008	0.003
46	7124746.429	581081.662	0.007	0.003
47	7124747.404	581059.069	0.007	0.004
48	7124746.436	581025.225	0.008	0.004
49	7124722.077	581091.069	0.008	0.004
50	7124717.027	581111.026	0.008	0.004
51	7124717.846	581146.086	0.008	0.005
52	7124719.087	581167.587	0.009	0.004
53	7124721.150	581193.573	0.010	0.004
54	7124724.807	581222.700	0.011	0.005
55	7124734.552	581241.854	0.007	0.004
56	7124759.246	581302.414	0.007	0.004
57	7124617.384	580646.602	0.011	0.005
58	7124596.079	580636.633	0.008	0.004
59	7124588.137	580623.712	0.007	0.003
60	7124588.333	580617.227	0.008	0.004
61	7124571.694	580605.274	0.007	0.003
62	7124551.696	580589.504	0.007	0.003
63	7124531.024	580569.246	0.008	0.005
64	7124521.583	580562.142	0.007	0.004
65	7124512.806	580543.964	0.008	0.004
66	7124528.881	580526.336	0.008	0.004
67	7124541.648	580522.216	0.012	0.008
68	7124543.788	580503.776	0.012	0.008
69	7124544.589	580487.780	0.009	0.005
70	7124553.435	580452.072	0.008	0.005
71	7124568.566	580420.256	0.007	0.004
72	7124577.120	580408.322	0.008	0.005
73	7124600.338	580391.211	0.007	0.004
74	7124619.109	580378.002	0.006	0.004
75	7124641.637	580362.448	0.007	0.004
76	7124669.965	580342.724	0.008	0.004
77	7124695.593	580312.635	0.008	0.004
78	7124712.910	580284.101	0.009	0.005
79	7124724.132	580258.739	0.008	0.005
80	7124730.411	580232.488	0.007	0.004
81	7124732.676	580209.793	0.007	0.004
82	7124732.298	580173.293	0.009	0.005
83	7124729.781	580142.325	0.010	0.006
84	7124724.526	580112.015	0.011	0.007
85	7124723.266	580102.591	0.009	0.006
86	7124720.312	580083.768	0.014	0.007
87	7124719.388	580066.767	0.012	0.006
88	7124712.301	580041.368	0.011	0.006
89	7124710.228	580021.211	0.012	0.006
90	7124713.374	579984.886	0.010	0.006
91	7124715.190	579966.191	0.008	0.006
92	7124721.677	579943.841	0.007	0.005
93	7124731.242	579918.646	0.007	0.005
94	7124739.548	579901.480	0.007	0.005
95	7124753.900	579882.828	0.007	0.005
96	7124775.643	579862.902	0.008	0.005
97	7124792.915	579852.175	0.008	0.004
98	7124815.793	579833.809	0.009	0.005
99	7124829.363	579825.184	0.006	0.004
100	7124856.475	579811.491	0.006	0.004
101	7124863.497	579828.040	0.007	0.004
102	7124839.643	579840.304	0.008	0.004
103	7124820.683	579857.119	0.008	0.006
104	7124795.995	579874.050	0.007	0.004
105	7124780.230	579894.146	0.007	0.004
106	7124767.334	579911.174	0.006	0.004
107	7124750.493	579941.013	0.009	0.005
108	7124739.636	579964.629	0.008	0.005
109	7124733.709	579992.700	0.009	0.005

110	7124732.342	580019.037	0.011	0.006
111	7124732.902	580054.145	0.011	0.006
112	7124741.610	580111.772	0.024	0.011
113	7124744.555	580137.723	0.013	0.007
114	7124743.566	580146.880	0.012	0.007
115	7124748.086	580197.547	0.010	0.005
116	7124749.905	580222.681	0.012	0.006
117	7124747.107	580243.572	0.009	0.005
118	7124736.968	580273.460	0.009	0.005
119	7124727.180	580300.250	0.015	0.008
120	7124725.642	580306.482	0.010	0.005
121	7124717.080	580303.890	0.011	0.006
122	7124702.290	580327.575	0.007	0.004
123	7124682.543	580354.127	0.007	0.004
124	7124671.459	580364.818	0.007	0.004
125	7124659.938	580370.936	0.007	0.004
126	7124630.840	580391.792	0.008	0.004
127	7124630.848	580397.759	0.007	0.004
128	7124624.462	580402.597	0.007	0.004
129	7124601.554	580414.350	0.007	0.004
130	7124583.296	580437.306	0.006	0.004
131	7124569.394	580468.632	0.007	0.004
132	7124562.564	580481.281	0.005	0.003
133	7124560.072	580506.968	0.007	0.004
134	7124564.764	580539.775	0.007	0.004
135	7124578.069	580565.087	0.006	0.003
136	7124589.911	580583.537	0.006	0.004
137	7124605.253	580601.112	0.006	0.004
138	7124623.652	580617.713	0.007	0.004
139	7124650.291	580639.979	0.009	0.010
140	7125847.201	579222.299	0.005	0.003
141	7125834.269	579226.318	0.004	0.003
142	7125822.672	579227.081	0.005	0.003
143	7125800.145	579234.155	0.005	0.003
144	7125785.605	579244.800	0.006	0.005
145	7125771.554	579256.638	0.005	0.003
146	7125760.657	579267.024	0.004	0.003
147	7125749.694	579278.990	0.005	0.004
148	7125744.186	579287.377	0.005	0.004
149	7125720.220	579317.221	0.005	0.004
150	7125696.322	579345.879	0.005	0.004
151	7125690.677	579352.487	0.004	0.003
152	7125659.960	579382.715	0.005	0.004
153	7125606.500	579426.435	0.006	0.004
154	7125601.164	579427.983	0.007	0.006
155	7125584.498	579442.896	0.005	0.004
156	7125555.636	579466.917	0.006	0.005
157	7125498.104	579511.721	0.014	0.007
158	7125467.840	579529.277	0.006	0.004
159	7125461.960	579534.104	0.006	0.004
160	7125445.560	579540.799	0.006	0.004
161	7125416.029	579551.396	0.005	0.004
162	7125391.541	579547.747	0.006	0.004
163	7125366.833	579561.724	0.005	0.004
164	7125326.947	579574.626	0.005	0.004
165	7125290.728	579588.053	0.005	0.004
166	7125258.058	579600.173	0.005	0.003
167	7125245.299	579599.976	0.005	0.004
168	7125206.741	579619.367	0.005	0.003
169	7125155.302	579645.862	0.006	0.004
170	7125126.974	579664.581	0.005	0.004
171	7125055.452	579709.023	0.006	0.004
172	7125044.142	579711.951	0.009	0.007
173	7125027.454	579721.761	0.008	0.005
174	7125009.481	579740.760	0.011	0.007
175	7124920.715	579786.387	0.010	0.006
176	7124892.380	579798.740	0.006	0.004
177	7124867.921	579805.803	0.008	0.005
178	7124871.513	579829.203	0.005	0.003
179	7124920.483	579811.474	0.010	0.005
180	7124991.939	579776.565	0.012	0.007
181	7125020.103	579761.817	0.014	0.008
182	7125089.872	579715.369	0.005	0.003
183	7125130.964	579688.912	0.006	0.004
184	7125217.204	579643.415	0.006	0.003
185	7125276.190	579617.218	0.006	0.003
186	7125354.516	579587.718	0.005	0.003
187	7125358.210	579591.134	0.006	0.003
188	7125399.655	579573.454	0.007	0.004
189	7125428.777	579568.188	0.005	0.003
190	7125437.590	579559.461	0.005	0.003

191	7125473.372	579545.110	0.006	0.003
192	7125511.154	579527.135	0.005	0.003
193	7125545.109	579500.922	0.005	0.003
194	7125555.335	579492.942	0.005	0.003
195	7125579.533	579470.473	0.006	0.003
196	7125606.115	579448.841	0.006	0.003
197	7125618.270	579448.794	0.007	0.004
198	7125622.151	579441.046	0.013	0.008
199	7125619.776	579435.596	0.006	0.004
200	7125640.357	579418.163	0.005	0.003
201	7125667.083	579394.436	0.005	0.003
202	7125694.718	579364.788	0.005	0.003
203	7125715.653	579341.149	0.005	0.003
204	7125728.195	579326.076	0.005	0.003
205	7125753.209	579293.823	0.005	0.003
206	7125771.959	579274.368	0.005	0.003
207	7125788.713	579261.804	0.005	0.003
208	7125814.294	579248.906	0.005	0.002
209	7125840.024	579240.905	0.006	0.003
210	7125852.151	579237.000	0.005	0.003
A1	7124743.407	581093.078	0.006	0.004
A2	7124744.066	581068.758	0.006	0.004
A3	7124744.396	581026.449	0.007	0.004
A4	7124743.253	581013.836	0.007	0.004
A5	7124741.100	580964.517	0.010	0.005
A6	7124739.676	580925.910	0.009	0.004
A7	7124737.003	580904.938	0.007	0.004
A8	7124731.958	580865.447	0.007	0.004
A9	7124729.440	580827.107	0.006	0.003
A10	7124728.642	580819.409	0.007	0.004
GGM1	7124732.049	580026.941	0.008	0.005
JSM	7124515.384	580554.252	0.006	0.004

YTRE PÅLITELIGHET - KOORDINATER [meter]

KOORDINAT	Observasjon....[meter/gon]			Indre pål.	Ytre pål.
P 1	1	2	X	-0.039	0.021
P 2	2	1	X	-0.033	0.017
P 3	3	2	X	0.034	0.017
P 4	4	2	X	-0.055	0.031
P 5	5	2	X	-0.056	0.033
P 6	6	2	X	0.037	0.022
P 7	7	2	X	-0.039	0.022
P 8	8	2	X	0.033	0.019
P 9	9	2	X	0.035	0.020
P 10	10	1	X	0.032	0.016
P 14	14	2	X	0.035	0.018
P 15	15	2	X	0.036	0.020
P 16	16	2	X	0.033	0.022
P 17	17	2	X	-0.042	0.026
P 18	18	2	X	0.032	0.017
P 19	19	2	X	0.031	0.017
P 20	20	2	X	-0.026	0.014
P 21	21	1	X	0.036	0.020
P 22	22	1	X	-0.047	0.024
P 23	23	1	X	-0.043	0.022
P 24	24	2	X	-0.044	0.025
P 25	25	1	X	-0.045	0.023
P 26	26	1	X	0.056	0.029
P 27	27	2	X	-0.041	0.022
P 28	28	2	X	0.032	0.016
P 29	29	1	X	-0.032	0.018
P 30	30	2	X	0.032	0.017
P 31	31	1	X	0.055	0.028
P 32	32	2	X	0.046	0.024
P 33	33	1	X	-0.029	0.016
P 34	34	2	X	-0.033	0.017
P 35	35	2	X	-0.034	0.017
P 36	36	1	X	-0.048	0.027
P 37	37	1	X	0.050	0.026
P 38	38	2	X	-0.049	0.026
P 39	39	2	Y	-0.038	0.021
P 40	40	1	X	0.055	0.029
P 41	41	2	X	0.056	0.030
P 42	42	2	X	0.033	0.018
P 43	43	1	X	-0.031	0.016
P 44	44	1	X	0.033	0.019
P 45	45	2	X	-0.038	0.021
P 46	46	2	X	-0.040	0.024

P	47	47	2	Y	-0.031	0.027
P	48	48	2	X	0.036	0.018
P	49	49	2	X	0.034	0.019
P	50	50	1	X	0.049	0.027
P	51	51	2	X	0.035	0.022
P	52	52	2	X	-0.040	0.022
P	53	53	2	X	-0.040	0.026
P	54	54	2	X	0.052	0.029
P	55	55	2	X	0.044	0.023
P	56	56	2	X	-0.031	0.017
P	57	57	2	X	0.046	0.024
P	58	58	2	X	0.036	0.019
P	59	59	2	X	-0.045	0.024
P	60	60	1	X	-0.032	0.017
P	61	61	1	X	-0.034	0.018
P	62	62	2	X	0.035	0.018
P	63	63	2	X	-0.041	0.023
P	64	64	2	Y	0.032	0.016
P	65	65	1	X	0.036	0.020
P	66	66	2	X	0.044	0.025
P	67	67	2	X	0.055	0.028
P	68	68	2	X	0.061	0.031
P	69	69	1	X	0.037	0.019
P	70	70	1	X	0.042	0.024
P	71	71	1	X	0.053	0.027
P	72	72	2	X	0.038	0.020
P	73	73	1	Y	-0.030	0.016
P	74	74	2	X	-0.033	0.017
P	75	75	1	X	-0.031	0.016
P	76	76	2	X	0.033	0.020
P	77	77	1	X	0.034	0.019
P	78	78	2	X	0.061	0.037
P	79	79	2	X	0.045	0.026
P	80	80	2	X	0.031	0.018
P	81	81	1	X	-0.030	0.017
P	82	82	2	X	-0.036	0.022
P	83	83	2	X	0.052	0.034
P	84	84	2	X	0.052	0.028
P	85	85	2	X	0.051	0.031
P	86	86	2	X	-0.065	0.036
P	87	87	2	X	0.060	0.034
P	88	88	1	X	0.052	0.030
P	89	89	2	X	-0.047	0.025
P	90	90	2	X	0.047	0.028
P	91	91	2	Y	0.031	0.021
P	92	92	2	Y	0.036	0.024
P	93	93	2	X	0.041	0.021
P	94	94	2	X	-0.031	0.015
P	95	95	2	X	0.036	0.018
P	96	96	2	X	-0.038	0.020
P	97	97	2	X	0.033	0.017
P	98	98	2	X	-0.036	0.019
P	99	99	1	X	0.037	0.019
P	100	100	2	X	0.034	0.017
P	101	101	1	X	0.029	0.016
P	102	102	2	X	0.056	0.038
P	103	103	1	X	0.041	0.021
P	104	104	2	X	-0.028	0.016
P	105	105	2	X	0.027	0.015
P	106	106	1	X	0.033	0.017
P	107	107	2	X	0.051	0.031
P	108	108	2	X	-0.050	0.030
P	109	109	1	X	-0.059	0.032
P	110	110	2	X	0.076	0.050
P	111	111	2	X	0.055	0.030
P	112	112	2	X	0.101	0.051
P	113	113	2	X	0.073	0.055
P	114	114	2	X	-0.067	0.039
P	115	115	2	X	-0.047	0.026
P	116	116	2	X	-0.060	0.044
P	117	117	2	X	-0.037	0.019
P	118	118	2	X	0.042	0.026
P	119	119	2	X	0.109	0.065
P	120	120	2	X	-0.040	0.021
P	121	121	2	Y	-0.045	0.025
P	122	122	2	X	-0.042	0.025
P	123	123	2	Y	-0.037	0.021
P	124	124	2	X	0.029	0.016
P	125	125	1	X	-0.029	0.016
P	126	126	1	Y	-0.050	0.027
P	127	127	1	X	0.030	0.016

P 128	128	2	X	-0.045	0.024
P 129	129	1	X	0.032	0.017
P 130	130	2	X	0.037	0.020
P 131	131	1	X	0.038	0.022
P 132	132	2	X	-0.025	0.013
P 133	133	2	Y	-0.058	0.039
P 134	134	1	X	0.032	0.016
P 135	135	1	X	0.028	0.015
P 136	136	2	X	-0.034	0.019
P 137	137	1	X	-0.027	0.014
P 138	138	2	X	0.034	0.020
P 139	139	2	Y	0.066	0.053
P 140	140	1	X	0.027	0.014
P 141	141	2	X	0.034	0.019
P 142	142	2	X	-0.030	0.018
P 143	143	1	X	-0.025	0.013
P 144	144	2	X	0.030	0.018
P 145	145	2	X	0.023	0.012
P 146	146	2	X	0.021	0.011
P 147	147	2	X	0.024	0.014
P 148	148	2	X	-0.028	0.014
P 149	149	2	X	0.023	0.013
P 150	150	1	Y	0.032	0.016
P 151	151	2	X	0.024	0.012
P 152	152	2	X	-0.021	0.010
P 153	153	2	X	0.038	0.020
P 154	154	2	X	-0.035	0.018
P 155	155	2	X	-0.032	0.017
P 156	156	2	X	0.023	0.012
P 157	157	2	X	0.062	0.035
P 158	158	2	X	-0.025	0.013
P 159	159	1	X	-0.028	0.015
P 160	160	2	X	0.044	0.025
P 161	161	2	X	-0.027	0.014
P 162	162	1	X	-0.022	0.012
P 163	163	1	Y	0.025	0.014
P 164	164	2	X	0.031	0.019
P 165	165	1	X	0.040	0.021
P 166	166	2	X	0.021	0.011
P 167	167	1	X	0.032	0.018
P 168	168	2	X	0.026	0.014
P 169	169	1	X	0.028	0.014
P 170	170	2	X	-0.027	0.014
P 171	171	2	X	-0.026	0.014
P 172	172	1	Y	-0.051	0.030
P 173	173	2	X	-0.038	0.024
P 174	174	2	X	-0.046	0.024
P 175	175	1	X	-0.046	0.023
P 176	176	2	X	0.030	0.016
P 177	177	2	X	-0.059	0.051
P 178	178	2	X	0.025	0.013
P 179	179	1	X	0.051	0.026
P 180	180	2	X	-0.062	0.045
P 181	181	2	X	-0.064	0.034
P 182	182	2	X	0.023	0.012
P 183	183	2	X	0.037	0.020
P 184	184	2	Y	0.029	0.017
P 185	185	2	X	-0.025	0.014
P 186	186	1	Y	0.031	0.016
P 187	187	1	X	0.024	0.012
P 188	188	2	X	-0.033	0.019
P 189	189	1	X	0.028	0.014
P 190	190	2	X	0.027	0.015
P 191	191	1	X	-0.026	0.014
P 192	192	2	X	-0.020	0.010
P 193	193	2	X	0.034	0.017
P 194	194	1	X	0.032	0.017
P 195	195	2	X	-0.024	0.012
P 196	196	1	Y	-0.038	0.020
P 197	197	2	X	-0.048	0.029
P 198	198	2	X	-0.066	0.044
P 199	199	2	X	0.028	0.015
P 200	200	2	Y	-0.025	0.015
P 201	201	1	X	-0.021	0.012
P 202	202	2	X	0.035	0.019
P 203	203	2	Y	-0.026	0.014
P 204	204	2	X	0.032	0.017
P 205	205	2	X	0.024	0.013
P 206	206	2	Y	-0.023	0.012
P 207	207	2	X	0.028	0.015
P 208	208	2	X	-0.040	0.022

P 209	209	1	X	0.032	0.018
P 210	210	2	Y	-0.026	0.014
P A1	A1	1	X	-0.027	0.014
P A2	A2	2	X	0.031	0.017
P A3	A3	2	X	-0.037	0.023
P A4	A4	1	X	0.030	0.016
P A5	A5	1	X	-0.050	0.027
P A6	A6	1	X	-0.045	0.024
P A7	A7	1	X	0.035	0.018
P A8	A8	2	X	0.041	0.021
P A9	A9	2	Y	0.025	0.013
P A10	A10	1	X	0.032	0.016
P GGM1	GGM1	1	X	0.034	0.019
P JSM	JSM	2	X	-0.026	0.014

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

Tabellverdi=1.97 (Student-t, f=437, alfa=0.0250)

STATISTIKK

Antall iterasjoner	:	2
Antall observasjoner grunnrisskoordinater	:	876
Antall observasjoner	:	876
Antall ukjente grunnrisskoordinater	:	438
Antall ukjente	:	438
Antall overbestemmelser	:	438
Antall korrelasjoner	:	433
Feilkvadratsum	:	505.21856824
Beregnet std.avvik på vektsenheten		1.0740
Antatt std.avvik på vektsenheten	:	1.0000

GRATULERER, Alle punkt godtas av eiendomsnormen !