

Least Squares Fit Report File

Report Generated: Mon Feb 26 10:23:12 2001
Active Design File: U:\Projekte\LWN_Amt_Seftigen\scannen\Riggisberg_879\riggbaa.dgn
Active Raster File: u:\projekte\lwn_amt_seftigen\scannen\riggisberg_879\25_s.cit

Transformation Type: Affine

Order: 1

$$x' = a_0 + a_1 x + a_2 y + a_3 x^2 + a_4 xy + a_5 y^2 + \dots$$

$$y' = b_0 + b_1 x + b_2 y + b_3 x^2 + b_4 xy + b_5 y^2 + \dots$$

where

x and y are coordinates in the input raster file and
x' and y' are the output coordinates in uors

Coefficients

i	a _i	b _i
0	5.995590e+008	1.843614e+008
1	-5.095556e+001	2.545913e+004
2	2.535200e+004	5.682989e+001

Review Statistics

Degree of Freedom: 20
RMS of Residual Norms: 1.755110e-001
Std. Dev. of Residual Norms : 7.962074e-002
Standard Error: 3.164070e-002

List of Residuals

Point	X Residual	Y Residual	Residual Norm
1	1.910219e-001	7.290193e-002	2.044604e-001
2	-2.439935e-002	-2.390812e-002	3.416030e-002
3	-1.529984e-001	-4.928541e-002	1.607407e-001
4	-1.999931e-001	-1.973428e-001	2.809651e-001
5	2.305942e-001	6.808349e-002	2.404351e-001
6	6.778160e-002	7.037057e-002	9.770548e-002
7	2.041423e-001	-3.650873e-002	2.073812e-001
8	2.246497e-001	5.424397e-002	2.311058e-001
9	-9.236329e-002	1.094482e-002	9.300950e-002
10	-1.788310e-001	3.785781e-002	1.827943e-001
11	1.480178e-002	7.354192e-003	1.652806e-002
12	-1.528337e-001	-6.128114e-002	1.646618e-001
13	-1.315727e-001	4.656944e-002	1.395711e-001

Review Control Points

Point	Input Control Points (in m)		Output Control Points (in m)	
	X	Y	X	Y
1	599571.612000	184895.109000	599573.110000	184893.980000
2	599673.386000	184473.466000	599675.280000	184471.660000
3	599797.581000	184374.094000	599799.260000	184372.350000
4	600106.346000	184846.736000	600106.320000	184846.440000
5	600474.339000	184595.968000	600474.400000	184596.280000
6	600298.164000	184704.392000	600298.250000	184704.520000
7	600233.895000	184397.800000	600234.880000	184397.090000
8	599586.522000	184705.278000	599588.400000	184703.800000
9	599935.798000	184598.355000	599936.770000	184597.410000
10	599796.590000	184780.740000	599797.430000	184779.860000
11	600064.684000	184457.081000	600065.750000	184456.150000
12	600021.176000	184708.635000	600021.670000	184708.020000
13	600458.423000	184465.535000	600458.420000	184465.540000