

Nr.	Absolutglieder der Normalgleichungen.	Vorzeichen für	Absolutglieder der					
			f_{11}	f_{12}	f_{13}	f_{14}	f_{15}	f_{16}
89	+0.218 120	+	-0.074 278	-0.045 013	-0.024 418	+0.010 134	+0.010 310	-0.010 731
87	-0.575 813	-	-	-0.070 415	-0.029 815	+0.008 597	+0.008 883	-0.008 379
86	-0.217 467	-	-0.140 107	-	-0.057 141	+0.006 709	+0.007 980	-0.007 381
88	-0.148 940	-	-0.107 950	-0.004 509	+	-0.037 748	+0.007 784	+0.006 131
90	-0.282 957	-	-0.073 180	-0.086 417	-0.093 166	-	-0.032 936	-0.002 119
85	+0.219 303	-	-0.073 865	-0.070 157	-0.077 479	-0.141 248	-0.152 871	+
84	-0.403 437	-	-0.031 370	-0.086 780	-0.091 329	-0.133 011	-0.134 134	-0.143 956
81	-0.292 847	-	-0.074 534	-0.074 997	-0.076 734	-0.137 608	-0.129 297	-0.091 488
88	+0.125 430	-	-0.130 838	-0.094 051	-0.095 080	-0.071 814	-0.086 107	-0.104 774
83	+0.244 851	-	-0.047 184	-0.069 153	-0.045 944	-0.097 330	-0.139 258	-0.102 573
84	+0.261 110	-	-0.037 671	-0.044 156	-0.041 046	-0.087 430	-0.111 137	-0.108 126
79	-0.117 594	-	-0.037 133	-0.041 993	-0.045 906	-0.087 401	-0.122 704	-0.088 151
77	-0.140 320	-	-0.035 547	-0.041 419	-0.041 308	-0.091 191	-0.098 934	-0.087 901
80	+0.024 780	-	-0.033 649	-0.046 113	-0.028 121	-0.091 864	-0.068 337	-0.084 118

Result

Gleichungen für die durch die Netzansgleichung

Elemente.	Result						
	(77)	(78)	(79)	(80)	(81)	(82)	(83)
f_{11}	+0.04015	+0.01017	+0.01186	+0.01031	+0.01018	+0.01094	+0.01084
f_{12}	+0.00017	+0.00004	+0.00049	+0.00077	+0.00143	+0.00141	+0.00171
f_{13}	+0.01186	+0.01049	+0.01009	+0.00998	+0.01061	+0.01129	+0.01133
f_{14}	+0.01018	+0.00977	+0.00991	+0.01028	+0.01039	+0.00998	+0.01011
f_{15}	+0.01094	+0.01041	+0.01061	+0.01039	+0.01037	+0.01117	+0.01077
f_{16}	+0.01018	+0.01041	+0.01029	+0.00994	+0.01111	+0.01085	+0.01180
f_{17}	+0.01084	+0.01071	+0.01131	+0.01031	+0.01077	+0.01180	+0.01178
f_{18}	+0.01094	+0.01037	+0.00931	+0.01001	+0.00911	+0.01014	+0.01039
f_{19}	+0.01018	+0.01041	+0.01034	+0.00961	+0.00943	+0.00978	+0.00977
f_{20}	+0.01094	+0.01041	+0.01001	+0.00974	+0.01018	+0.01081	+0.01069
f_{21}	+0.01018	+0.01041	+0.01031	+0.01001	+0.01037	+0.01037	+0.01031
f_{22}	+0.01094	+0.01041	+0.01001	+0.00974	+0.01018	+0.01081	+0.01069
f_{23}	+0.01018	+0.01041	+0.01031	+0.01001	+0.01037	+0.01037	+0.01031
f_{24}	+0.01094	+0.01041	+0.01001	+0.00974	+0.01018	+0.01081	+0.01069
f_{25}	+0.01018	+0.01041	+0.01031	+0.01001	+0.01037	+0.01037	+0.01031
f_{26}	+0.01094	+0.01041	+0.01001	+0.00974	+0.01018	+0.01081	+0.01069
f_{27}	+0.01018	+0.01041	+0.01031	+0.01001	+0.01037	+0.01037	+0.01031
f_{28}	+0.01094	+0.01041	+0.01001	+0.00974	+0.01018	+0.01081	+0.01069
f_{29}	+0.01018	+0.01041	+0.01031	+0.01001	+0.01037	+0.01037	+0.01031
f_{30}	+0.01094	+0.01041	+0.01001	+0.00974	+0.01018	+0.01081	+0.01069

Ausgeglichenen Richtungen.

Bezeichnung, Richtung	α°	β°	γ°	δ°	ϵ°	ζ°	η°
4 Jockke	125	59	24	4931	+	(84)	
9 Kahleberg	290	24	13	0903	+	(85)	
26 Sattelberg	295	27	2	7444	+	(86)	
61 Willisch	329	39	4	4683	+	(87)	
12 Borsyerhöhe	335	6	46	7899	+	(88)	
57 Cottauer Spitzberg	350	4	54	2183	+	(89)	
7 Parsberg	359	38	27	6198	+	(90)	
10 Kahlenberg	17	42	15	7654	+	(77)	
26 Lilienstein	23	12	39	4177	+	(78)	
6 Valtenberg	51	0	4	7935	+	(79)	
55 Zschirastain	65	2	48	9374	+	(80)	
54 Rannberg	83	23	30	6576	+	(81)	
44 Kottusar	87	50	3	1584	+	(82)	
5 Lauscha	110	36	37	1075	+	(83)	

Gewichtsgleichungen für								Nr.
f_{11}	f_{12}	f_{13}	f_{14}	f_{15}	f_{16}	f_{17}	f_{18}	
+0.009 877	+0.011 091	+0.016 141	+0.011 109	+0.010 974	+0.010 960	+0.010 890	+0.009 511	89
+0.008 741	+0.009 746	+0.011 163	+0.008 934	+0.009 086	+0.009 031	+0.009 093	+0.008 263	87
+0.008 470	+0.008 950	+0.009 479	+0.007 879	+0.007 410	+0.007 460	+0.006 438	+0.006 718	86
+0.008 996	+0.007 235	+0.005 204	+0.006 811	+0.006 958	+0.007 085	+0.007 677	+0.007 513	88
+0.005 448	+0.003 397	+0.004 438	+0.006 502	+0.006 843	+0.006 711	+0.006 375	+0.005 361	90
+0.005 008	+0.003 561	+0.004 386	+0.004 137	+0.003 147	+0.004 593	+0.004 841	+0.004 386	85
+0.016 386	+0.002 398	+0.003 121	+0.004 133	+0.003 844	+0.003 118	+0.002 804	+0.004 147	84
+	+0.001 141	+0.003 648	+0.003 791	+0.004 070	+0.003 551	+0.003 111	+0.003 147	81
-0.039 584	+	-0.028 897	+0.003 834	+0.003 477	+0.002 810	+0.004 480	+0.003 458	78
-0.037 970	-0.005 951	+	-0.014 101	+0.004 107	+0.003 886	+0.004 324	+0.003 151	83
-0.051 718	-0.050 845	-0.114 101	+	-0.031 658	+0.003 061	+0.003 108	+0.003 466	82
-0.043 351	-0.054 076	-0.101 633	-0.043 873	+	+0.031 834	+0.003 853	+0.003 383	79
-0.031 688	-0.028 836	-0.079 249	-0.084 426	-0.113 999	+	+0.031 847	+0.003 518	77
-0.044 368	-0.007 131	-0.048 659	-0.061 831	-0.065 061	-0.079 373	+	+0.018 813	80

Substitutions

zu gewinnenden Richtungsverbesserungen.

(84)	(85)	(86)	(87)	(88)	(89)	(90)	= Result	Substitutionsreste.
+0.00909	+0.01046	+0.00981	+0.01129	+0.01098	+0.01089	+0.01127	=(77)	0
+0.01057	+0.01068	+0.01121	+0.01155	+0.00983	+0.01014	+0.01030	=(78)	0
+0.00955	+0.01034	+0.01101	+0.01123	+0.01011	+0.01016	+0.01173	=(79)	+1
+0.01001	+0.00961	+0.00974	+0.01001	+0.01039	+0.00971	+0.01008	=(80)	0
+0.00851	+0.00941	+0.00916	+0.01129	+0.01103	+0.01089	+0.01078	=(81)	0
+0.01014	+0.01078	+0.01081	+0.01130	+0.01057	+0.01097	+0.01114	=(82)	0
+0.01019	+0.00977	+0.01069	+0.01117	+0.01044	+0.01111	+0.01143	=(83)	0
+0.01115	+0.01002	+0.00964	+0.01071	+0.01011	+0.00988	+0.01011	=(84)	0
+0.01011	+0.01011	+0.01063	+0.01045	+0.00983	+0.01073	+0.01009	=(85)	0
+0.00961	+0.01063	+0.01111	+0.01110	+0.01000	+0.01044	+0.01111	=(86)	0
+0.01071	+0.01045	+0.01110	+0.01117	+0.01073	+0.01001	+0.01091	=(87)	0
+0.01011	+0.00981	+0.01000	+0.01073	+0.01001	+0.01051	+0.01110	=(88)	0
+0.00988	+0.01071	+0.01044	+0.01001	+0.01051	+0.01048	+0.01011	=(89)	0
+0.01011	+0.01009	+0.01111	+0.01091	+0.01110	+0.01071	+0.01001	=(90)	0

Mittlerer Beobachtungsfehler.

$$\begin{aligned}
 \frac{[\Delta u \cdot \Delta u]}{n} &= 1070.3099 & n &= 558 \\
 - \frac{[\Delta u]}{n} &= -530.9492 & -\Delta &= -14 \\
 - \Sigma &= -16.0364 & -r &= -98 \\
 [su] &= 515.3043 & \text{Divisor} &= 446 \\
 m &= \sqrt{\frac{515.3043}{446}} = \pm 1.073.
 \end{aligned}$$

Das Höhenverzeichnis S. 1.

