

Result

Gleichungen für die durch die Netzausgleichung

Element	$\Delta K =$	(57)	(58)	(59)	(60)	(61)	(62)	(63)	(64)	(65)	(66)
$f_{11} = -0.22316$	(57)	+	+	+	+	+	+	+	+	+	+
$f_{12} = -0.18790$	(58)	+	+	+	+	+	+	+	+	+	+
$f_{13} = -0.16433$	(59)	+	+	+	+	+	+	+	+	+	+
$f_{14} = -0.12006$	(60)	+	+	+	+	+	+	+	+	+	+
$f_{15} = +0.15545$	(61)	+	+	+	+	+	+	+	+	+	+
$f_{16} = +0.41293$	(62)	+	+	+	+	+	+	+	+	+	+
$f_{17} = -0.14370$	(63)	+	+	+	+	+	+	+	+	+	+
$f_{18} = -0.11998$	(64)	+	+	+	+	+	+	+	+	+	+
$f_{19} = +0.16343$	(65)	+	+	+	+	+	+	+	+	+	+
$f_{20} = -0.19479$	(66)	+	+	+	+	+	+	+	+	+	+
$f_{21} = +0.13947$	(67)	+	+	+	+	+	+	+	+	+	+
$f_{22} = +0.48719$	(68)	+	+	+	+	+	+	+	+	+	+
$f_{23} = +0.47810$	(69)	+	+	+	+	+	+	+	+	+	+
$f_{24} = -0.19482$	(70)	+	+	+	+	+	+	+	+	+	+
$f_{25} = -0.14247$	(71)	+	+	+	+	+	+	+	+	+	+
$f_{26} = +0.17797$	(72)	+	+	+	+	+	+	+	+	+	+
$f_{27} = -0.19705$	(73)	+	+	+	+	+	+	+	+	+	+
$f_{28} = -0.13444$	(74)	+	+	+	+	+	+	+	+	+	+
$f_{29} = +0.18143$	(75)	+	+	+	+	+	+	+	+	+	+
$f_{30} = +0.17136$	(76)	+	+	+	+	+	+	+	+	+	+

Ausglicheene Richtungen.

Station	0° 0' 0"	Station	0° 0' 0"
29 Buchberg	3 15 10.7868 + (57)	61 Willach	241 5 19.3591 + (67)
10 Keulenberg	43 9 38.1872 + (58)	62 Gühlig	170 16 50.4672 + (68)
65 Polixthorn	49 31 50.7358 + (59)	77 Ogitalthe	279 14 16.4781 + (69)
52 Gronsberg	88 55 23.6779 + (60)	12 Baeyerhöhe	297 10 25.7082 + (70)
8 Vultenberg	89 41 34.3585 + (61)	Kronsturm	303 37 16.4026 + (71)
5 Lauze	123 18 7.4539 + (62)	61 Schloßthorn	305 29 21.1974 + (72)
66 Lillenstein	140 16 50.5873 + (63)	Franzthorn	305 30 11.6029 + (73)
8 Schenkeberg	163 43 48.7800 + (64)	Dreikönigstern	310 0 35.6438 + (74)
57 Coltau Spitzberg	274 37 55.3634 + (65)	64 Wahnstorf	321 4 8.1800 + (75)
9 Kahlberg	216 48 46.8041 + (66)	11 Strauch	345 33 44.2714 + (76)

*) Theopitzberg

falls

zu gewinnenden Richtungsverbesserungen.

(67)	(68)	(69)	(70)	(71)	(72)	(73)	(74)	(75)	(76)	$= \Delta K$	Substitutionsreste.
+	+	+	+	+	+	+	+	+	+		
0.00944	0.02107	0.01023	0.01126	0.00943	0.00826	0.00819	0.00848	0.01129	0.01221	= (57)	+ 1
0.00953	0.00948	0.00814	0.01164	0.00771	0.00697	0.00699	0.00770	0.01200	0.01160	= (58)	- 1
0.01138	0.01096	0.00890	0.01163	0.00742	0.00708	0.00698	0.00812	0.01053	0.01030	= (59)	- 1
0.00877	0.00849	0.00819	0.01021	0.01179	0.01098	0.01126	0.01300	0.01004	0.01081	= (60)	+ 1
0.00991	0.00935	0.00974	0.01177	0.00891	0.00841	0.00817	0.00842	0.01058	0.01133	= (61)	- 7
0.00881	0.00844	0.00741	0.00991	0.00879	0.00820	0.00816	0.00870	0.01220	0.01076	= (62)	- 1
0.01228	0.01073	0.00873	0.00863	0.00797	0.00693	0.00683	0.00783	0.01056	0.00998	= (63)	- 1
0.00954	0.00853	0.00864	0.01063	0.00794	0.00696	0.00738	0.00720	0.00973	0.01201	= (64)	+ 1
0.01121	0.01050	0.00924	0.01093	0.00769	0.00761	0.00734	0.00831	0.00964	0.00953	= (65)	- 1
0.01021	0.01022	0.00904	0.00951	0.00780	0.00748	0.00742	0.00699	0.00960	0.01001	= (66)	+ 1
0.00980	0.01009	0.01248	0.01020	0.00718	0.00951	0.00698	0.00708	0.01060	0.00955	= (67)	+ 10
0.01210	0.00811	0.01442	0.01037	0.00787	0.00880	0.00747	0.00781	0.01179	0.00845	= (68)	+ 1
0.01248	0.01444	0.00921	0.01022	0.00869	0.00893	0.00769	0.00879	0.01209	0.00947	= (69)	+ 9
0.01020	0.01037	0.01022	0.01256	0.00982	0.00833	0.00860	0.01001	0.01137	0.01181	= (70)	0
0.00926	0.00763	0.00819	0.00812	0.01012	0.01114	0.01114	0.01018	0.01018	0.00954	= (71)	+ 1
0.00951	0.00860	0.00699	0.00833	0.01014	0.01043	0.01040	0.00958	0.00958	0.00954	= (72)	- 1
0.00948	0.00747	0.00749	0.00860	0.01012	0.01018	0.01017	0.01010	0.00985	0.00970	= (73)	+ 1
0.00706	0.00748	0.00779	0.01007	0.01012	0.01040	0.01050	0.01037	0.00855	0.01013	= (74)	0
0.01060	0.01273	0.01109	0.01137	0.01018	0.00978	0.00985	0.00855	0.00913	0.00981	= (75)	+ 1
0.00955	0.00845	0.00927	0.01121	0.00889	0.00954	0.00970	0.01015	0.00981	0.00974	= (76)	- 1

Mittlerer Beobachtungsfehler.

$$\begin{aligned}
 [d_u \cdot d_u] &= 933.0853 & n &= 593 \\
 - \frac{[d_u]^2}{n} &= -446.0476 & -k_1 &= -10 \\
 - \Sigma &= -46.2923 & -r &= -98 \\
 [m] &= 440.7454 & \text{Divisor} &= 475
 \end{aligned}$$

$$m = \sqrt{\frac{440.7454}{475}} = \pm 0.963$$