

Gleichungen für die durch die Netzsangleichung

Elemente.	$AE =$	[131]	[132]	[133]	[134]	[135]	[136]	[137]	[138]
$f_{131} = -0.54854$	(131)	+	+	+	+	+	+	+	+
$f_{132} = +0.09055$	(132)	0.00913	0.01737	0.01406	0.01194	0.01333	0.01298	0.01168	0.01289
$f_{133} = +0.22284$	(133)	0.00979	0.01406	0.01771	0.01102	0.01374	0.01349	0.01277	0.01179
$f_{134} = -0.19097$	(134)	0.01079	0.01194	0.01102	0.01771	0.01374	0.01298	0.01168	0.01289
$f_{135} = -0.17320$	(135)	0.01541	0.01333	0.01174	0.01374	0.01736	0.01217	0.01270	0.01163
$f_{136} = +0.07738$	(136)	0.00801	0.01194	0.01102	0.01041	0.01217	0.01182	0.01143	0.01155
$f_{137} = +0.00290$	(137)	0.01733	0.01168	0.01177	0.01182	0.01370	0.01143	0.01174	0.01270
$f_{138} = -0.11906$	(138)	0.01105	0.01449	0.01172	0.01228	0.01163	0.01133	0.01170	0.01082
$f_{139} = +0.08167$	(139)	0.00888	0.01145	0.01138	0.01019	0.01189	0.01268	0.01116	0.01116
$f_{140} = +0.25105$	(140)	0.01108	0.01474	0.01140	0.01130	0.01458	0.01111	0.01147	0.01111
$f_{141} = +0.14184$	(141)	0.01084	0.01121	0.01148	0.01066	0.01143	0.01118	0.01099	0.01149
$f_{142} = -0.13013$	(142)	0.00859	0.01159	0.01131	0.01190	0.01172	0.01187	0.01206	0.01104
$f_{143} = -0.25764$	(143)	0.01184	0.01197	0.01153	0.01173	0.01129	0.01165	0.01166	0.01193
$f_{144} = +0.36218$	(144)	0.01029	0.01150	0.01194	0.01118	0.01156	0.01107	0.01187	0.01121
$f_{145} = -0.22196$	(145)	0.00862	0.01127	0.01140	0.01100	0.01134	0.01130	0.01163	0.01143
$f_{146} = -0.12136$	(146)	0.00933	0.01174	0.01113	0.01101	0.01193	0.01134	0.01167	0.01171
$f_{147} = +0.04947$	(147)	0.00871	0.01124	0.01137	0.01199	0.01170	0.01143	0.01168	0.01160

Ausgeglichenen Richtungen.

Zählhöhe, Nivelliers	$0^{\circ} 0' 0''$	6 Valtenberg	$247^{\circ} 1' 37.6817 + (139)$
11 Glashütte	$3 38 46.4315 + (131)$	29 Busenberg	$254 52 22.2340 + (140)$
35 Weida	$8 46 52.0906 + (132)$	7 Parsberg	$273 4 37.1418 + (141)$
18 Culla	$19 26 28.2158 + (133)$	32 Gersau	$280 50 38.7499 + (142)$
70 Jachenthal	$30 46 37.8090 + (134)$	38 Gresselsritz	$303 59 50.5364 + (143)$
60 Schweinfurt	$64 21 16.4669 + (135)$	33 Grosseheide	$311 44 10.7780 + (145)$
1 Oeding	$115 36 26.0774 + (136)$	12 Sauerhütte	$314 40 34.3622 + (144)$
68 Gölzberg	$239 25 58.2039 + (137)$	31 Baseltz	$325 45 38.6786 + (146)$
10 Keudenberg	$245 27 21.6809 + (138)$	34 Baschütz	$332 25 59.2495 + (147)$

zu gewinnenden Richtungsverbesserungen.

[132]	[140]	[141]	[142]	[143]	[144]	[145]	[146]	[147]	$= AK$	Substitutions- reste.
+	+	+	+	+	+	+	+	+		
0.00888	0.01108	0.01084	0.00859	0.01104	0.01059	0.00861	0.00955	0.00871	$= (131)$	+11
0.01247	0.01474	0.01221	0.01459	0.01407	0.01450	0.01417	0.01474	0.01414	$= (132)$	-20
0.01138	0.01290	0.01148	0.01322	0.01323	0.01394	0.01400	0.01353	0.01457	$= (133)$	+10
0.01079	0.01129	0.01068	0.01190	0.01072	0.01178	0.01200	0.01161	0.01192	$= (134)$	-2
0.01541	0.01438	0.01141	0.01372	0.01421	0.01458	0.01384	0.01293	0.01470	$= (135)$	-10
0.01184	0.01131	0.01111	0.01188	0.01167	0.01165	0.01145	0.01224	0.01141	$= (136)$	+31
0.01176	0.01147	0.01094	0.01106	0.01104	0.01187	0.01165	0.01167	0.01163	$= (137)$	+2
0.01105	0.01141	0.01129	0.01164	0.01153	0.01134	0.01145	0.01131	0.01160	$= (138)$	0
0.00888	0.01143	0.01144	0.01145	0.01159	0.01173	0.01203	0.01211	0.01218	$= (139)$	+18
0.01108	0.01474	0.01140	0.01130	0.01458	0.01111	0.01147	0.01111	0.01111	$= (140)$	-7
0.01084	0.01121	0.01148	0.01066	0.01143	0.01118	0.01099	0.01149	0.01149	$= (141)$	-30
0.00859	0.01159	0.01131	0.01190	0.01172	0.01187	0.01206	0.01104	0.01104	$= (142)$	+12
0.01184	0.01197	0.01153	0.01173	0.01129	0.01165	0.01166	0.01193	0.01193	$= (143)$	-1
0.01029	0.01150	0.01194	0.01118	0.01156	0.01107	0.01187	0.01121	0.01121	$= (144)$	-8
0.00862	0.01127	0.01140	0.01100	0.01134	0.01130	0.01163	0.01143	0.01143	$= (145)$	-31
0.00933	0.01174	0.01113	0.01101	0.01193	0.01134	0.01167	0.01171	0.01171	$= (146)$	-19
0.00871	0.01124	0.01137	0.01199	0.01170	0.01143	0.01168	0.01160	0.01160	$= (147)$	+8
										+9

Mittlerer Beobachtungsfehler.

$$\begin{aligned} [(\Delta v) \cdot \Delta v] &= 777.1650 & n &= 457 \\ - \frac{[\Delta v]^2}{n} &= -386.2065 & - k_0 &= -17 \\ - \Sigma &= -35.6909 & - r &= -82 \\ [v]_{11} &= 355.2676 & \text{Divisor} &= 358 \end{aligned}$$

$$m_{11} = \sqrt{\frac{355.2676}{358}} = \pm 0.996.$$