

Resultate

Gleichungen für die durch die Netzausgleichung

Elemente.	$rR =$	[396]	[397]	[398]	[399]	[400]
		+	+	+	+	+
$r_{396} = +0.24982$	(396) =	0.07408	0.02886	0.02720	0.02902	0.02883
$r_{397} = -0.27211$	(397) =	0.02886	0.07616	0.02912	0.02902	0.02312
$r_{398} = -0.21716$	(398) =	0.02720	0.02912	0.11139	0.02732	0.02184
$r_{399} = -0.23428$	(399) =	0.02902	0.02902	0.02732	0.07910	0.02346
$r_{400} = -0.28234$	(400) =	0.02883	0.02312	0.02184	0.02346	0.11172
$r_{401} = -0.44631$	(401) =	0.02585	0.04372	0.02332	0.02381	0.02292
$r_{402} = +0.30761$	(402) =	0.02334	0.02381	0.02336	0.02732	0.02617
$r_{403} = -0.05471$	(403) =	0.02827	0.02914	0.02727	0.02049	0.02339
$r_{404} = -0.56741$	(404) =	0.02333	0.02880	0.02889	0.02888	0.02972
$r_{405} = -0.22034$	(405) =	0.02930	0.02169	0.02341	0.02920	0.02024

Ausgeglichene Richtungen.

34 Raschitz	0° 0' 0"
35 Weida	7 39 32.2698 + (396)
18 Cefm	10 17 25.6279 + (397)
71 Glanitz	25 11 30.8827 + (398)
11 Strass	109 52 53.5457 + (399)
65 Galgenberge	178 36 0.8171 + (400)
32 Gamsa	179 59 39.5537 + (401)
29 Barkberg	112 4 28.3076 + (402)
36 Grossdöbritz	275 35 21.9453 + (403)
31 Baselitz	317 44 34.4326 + (404)
Grossschlein, Hahnweidener	317 26 58.8897 + (405)

* Abgelesen am 25. September 1872.

tats.

zu gewinnenden Richtungsverbesserungen.

[401]	[402]	[403]	[404]	[405]	= JK
+	+	+	+	+	
0.02381	0.02334	0.02827	0.02333	0.02930	= (396)
0.02372	0.02838	0.02914	0.02880	0.02169	= (397)
0.02333	0.02336	0.02727	0.02889	0.02341	= (398)
0.02381	0.02734	0.02049	0.02668	0.02380	= (399)
0.02391	0.02617	0.02339	0.02972	0.02004	= (400)
0.02382	0.02372	0.02382	0.02481	0.02332	= (401)
0.02372	0.02384	0.02334	0.02672	0.02840	= (402)
0.02382	0.02834	0.02720	0.02884	0.02992	= (403)
0.02383	0.02672	0.02822	0.02991	0.02984	= (404)
0.02333	0.02820	0.02991	0.02964	0.02380	= (405)

Substitutions-
reste.

Mittlerer Beobachtungsfehler.

$$\begin{aligned} [d_{i,j}] &= +68.8403 & n &= 287 \\ - \left[\frac{[d_i]^2}{n} \right] &= -94.2139 & -k &= -10 \\ - \Sigma &= -20.2624 & -r &= -57 \\ [d_{i,j}] &= 154.3640 & \text{Divisor} &= 220 \end{aligned}$$

$$m_n = \sqrt{\frac{154.3640}{220}} = \pm 0.838.$$