Winkel

		Grad	Min	Sek	
∠ $T_2 T_1 T_3$	=	94	55	33	✓
∠ $T_2 T_1 T_4$	=	46	13	06	✓
∠ $T_4 T_1 T_3$	=	48	42	27	✓
∠ $T_1 T_2 T_4$	=	98	42	36	✓
∠ $T_1 T_2 T_3$	= ✓	59	12	10	✓
∠ $T_4 T_2 T_3$	=	39	30	26	✓
∠ $T_1 T_3 T_4$	=	57	06	56	✓
∠ $T_1 T_3 T_2$	=	25	52	17	✓
∠ $T_2 T_3 T_4$	=	31	15	50	✓
∠ $T_2 T_4 T_3$	=	109	13	44	✓
∠ $T_2 T_4 T_1$	=	324	57	53	✓ = 35 03 07
∠ $T_1 T_4 T_3$	=	74	10	37	✓

Standpunkt 1_1

Standpunkt 1_2

Standpunkt 1_3

Standpunkt 1_4

Dreiecksschlüsse

$\Delta\ T_4 T_2 T_3$

$\not\sphericalangle$	$T_4 T_2 T_3$	✓	59	12	10 ✓
$+\not\sphericalangle$	$T_2 T_4 T_3$		94	55	33 ✓
$+\not\sphericalangle$	$T_2 T_3 T_4$	bes.	25	52	17 ✓
			180	00	00 ✓

$\Delta\ T_1 T_2 T_4$

$\not\sphericalangle$	$T_1 T_2 T_4$	98	42	36 ✓
$+\not\sphericalangle$	$T_2 T_1 T_4$	46	13	06 ✓
$+\not\sphericalangle$	$T_2 T_4 T_1$	35	03	07 ✓
		179	58	49 ✓

$\Delta\ T_1 T_3 T_4$

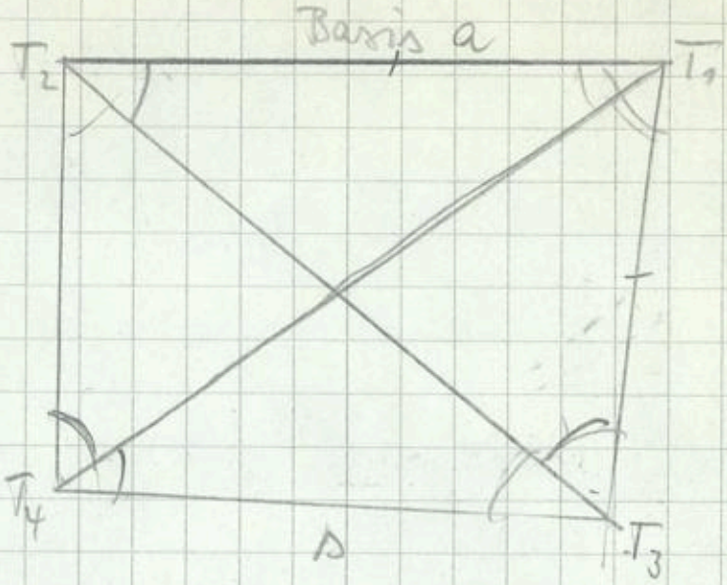
$\not\sphericalangle$	$T_1 T_3 T_4$	57	06	56 ✓
$+\not\sphericalangle$	$T_1 T_4 T_3$	74	10	37 ✓
$+\not\sphericalangle$	$T_4 T_1 T_3$	48	42	27 ✓
		180	00	00 ✓

$\Delta\ T_2 T_3 T_4$

$\not\sphericalangle$	$T_2 T_3 T_4$	31	15	50 ✓
$+\not\sphericalangle$	$T_3 T_2 T_4$	39	30	26 ✓
$+\not\sphericalangle$	$T_3 T_4 T_2$	109	13	44 ✓
		180	00	00 ✓

Verbesserte Winkel

$\sphericalangle T_1 T_2 T_3$	✓	59	12	10	✓
$\sphericalangle T_2 T_1 T_3$		94	55	33	✓
$\sphericalangle T_2 T_3 T_1$	✓	25	52	17	✓
$\sphericalangle T_1 T_2 T_4$		98	43	26	✓
$\sphericalangle T_2 T_1 T_4$	✓	46	13	56	✓
$\sphericalangle T_2 T_4 T_1$	✓	35	03	58	✓
$\sphericalangle T_1 T_3 T_4$		57	06	56	✓
$\sphericalangle T_1 T_4 T_3$	✓	74	10	37	✓
$\sphericalangle T_4 T_1 T_3$	✓	41	42	27	✓
$\sphericalangle T_2 T_3 T_4$	✓	31	15	50	✓
$\sphericalangle T_3 T_2 T_4$	✓	39	30	26	✓
$\sphericalangle T_3 T_4 T_2$		109	13	44	✓



$$\frac{\sin \sphericalangle T_2 T_3 T_2}{a} = \frac{\sin \sphericalangle T_2 T_1 T_2}{\overline{T_1 T_3}}$$

$$\overline{T_1 T_3} = \frac{a \cdot \sin \sphericalangle T_3 T_2 T_1}{\sin \sphericalangle T_1 T_3 T_2}$$

$$D_1 = \frac{\overline{T_2 T_3} \cdot \sin \sphericalangle T_4 T_3 T_2}{\sin \sphericalangle T_3 T_4 T_2}$$

$$D_1 = 268{,}30$$

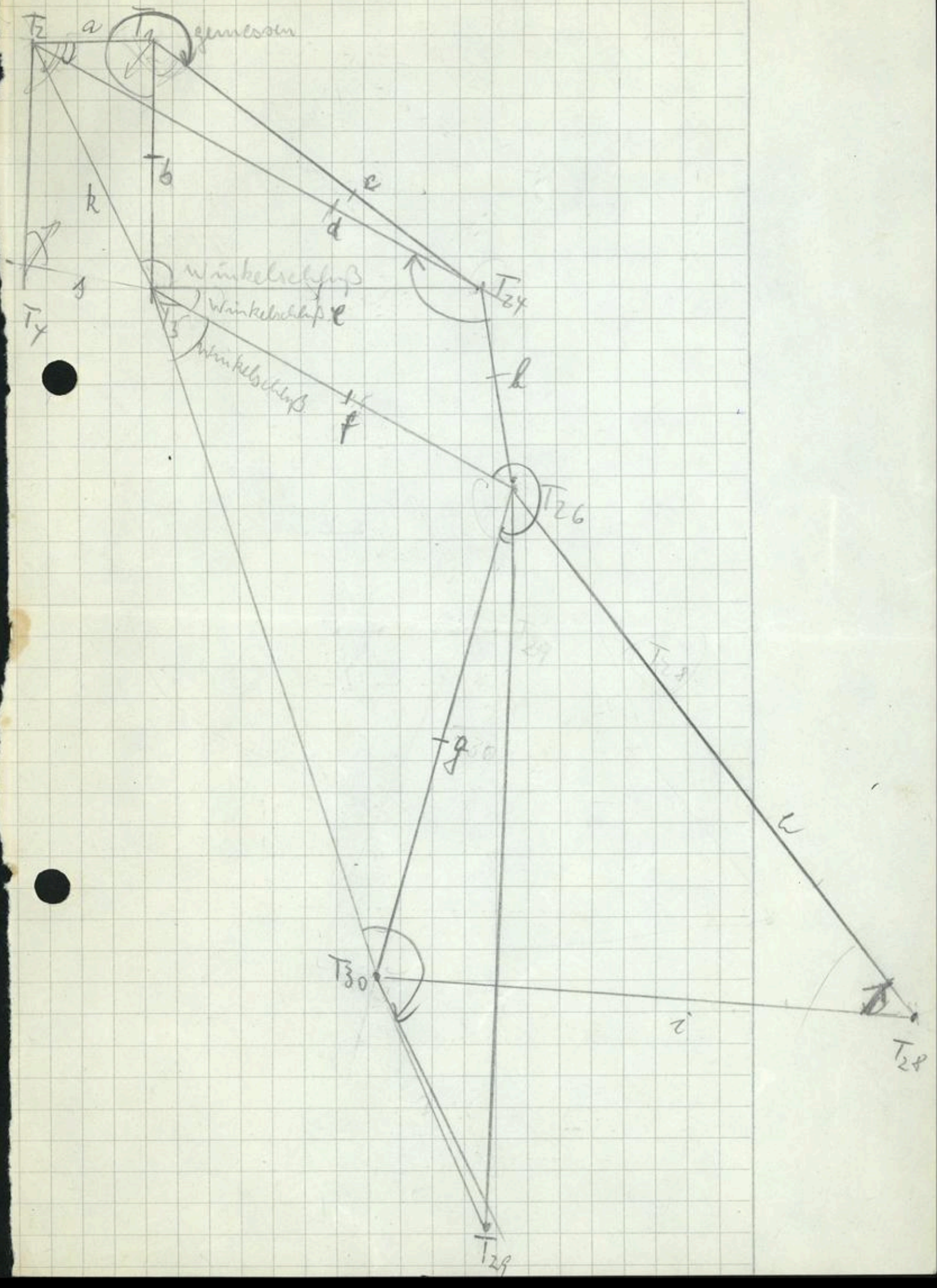
$$\overline{T_2 T_4} = \frac{a \sin \sphericalangle T_2 T_1 T_4}{\sin \sphericalangle T_1 T_4 T_2}$$

$$D_2 = \frac{\overline{T_2 T_4} \sin \sphericalangle T_4 T_2 T_3}{\sin \sphericalangle T_2 T_3 T_4}$$

$$D_2 = 268{,}90$$

$$D_{\text{ges.}} = 268{,}60$$

$$d = 0{,}6 \text{ m}$$


T_2
a
T_1
gemessen
b
k
c
d
T_4
Winkelsumme
Winkelsumme
T_3
Winkelsumme
T_1
s
f
T_{24}
h
T_{26}
T_{27}
g
e
T_{30}
i
T_{28}
T_{29}

$$b = \frac{a \cdot \sin\phi\ T_1 T_2 T_3}{\sin\phi\ T_1 T_3 T_2}$$

$$c = \frac{d \cdot \sin\phi\ T_1 T_2 T_{24}}{\sin\phi\ T_2 T_1 T_{24}}$$

$$d = \frac{a \cdot \sin\phi\ T_2 T_1 T_{24}}{\sin\phi\ T_2 T_{24} T_1}$$

$$e = \frac{h \cdot \sin\phi\ T_3 T_2 T_{24}}{\sin\phi\ T_2 T_{24} T_3}$$

$$f = \frac{e \cdot \sin\phi\ T_3 T_{24} T_{26}}{\sin\phi\ T_3 T_{26} T_{24}}$$

$$g = \frac{f \cdot \sin\phi\ T_{30} T_3 T_{26}}{\sin\phi\ T_3 T_{30} T_{26}}$$

$$h = \frac{g \cdot \sin\phi\ T_{26} T_{30} T_{28}}{\sin\phi\ T_{26} T_{28} T_{30}}$$

$$i = \frac{g \cdot \sin\phi\ T_{30} T_{26} T_{28}}{\sin\phi\ T_{26} T_{28} T_{30}}$$

$$k = \frac{a \cdot \sin\phi\ T_2 T_1 T_3}{\sin\phi\ T_1 T_3 T_2}$$

$$l = \frac{e \cdot \sin\phi\ T_{24} T_3 T_{26}}{\sin\phi\ T_3 T_{26} T_{24}}$$

$$f = \frac{l \cdot \sin\phi\ T_3 T_{24} T_{26}}{\sin\phi\ T_{24} T_3 T_{26}}$$

$$i = \frac{h \cdot \sin\phi\ T_{30} T_{26} T_{28}}{\sin\phi\ T_{26} T_{30} T_{28}}$$

(Basis): $a =$ 174,52 ✓

$b =$ 343,55 ✓

$c =$ 331,96 ✓

$d =$ 450,45 ✓

$e =$ 161,54 ✓

$f =$ 209,44 ✓ (209,44)

$g =$ 171,29 ✓

$h =$ 622,64 ✓

$i =$ 612,33 ✓

$k =$ 398,47 ✓

$l =$ 150,62 ✓

$s_1 =$ 268,29 ✓

$s_2 =$ 268,89 ✓

$s =$ 268,59 ✓

↓ $T_1 T_2 T_3$	✓	b		
↓ $T_4 T_3 T_2$	✓	b		
↓ $T_1 T_2 T_{24}$	✓ c	c		
↓ $T_2 T_{24} T_3$	✓	d		
↓ $T_2 T_1 T_{24}$	c ✓	d		
● $T_3 T_2 T_{24}$	✓	e		
↓ $T_3 T_{24} T_2$	✓	e		
↓ $T_3 T_{24} T_{26}$	✓	f		
↓ $T_3 T_{26} T_{24}$	✓	f		
↓ $T_{30} T_3 T_{26}$	✓	g		
↓ $T_3 T_{30} T_{26}$	✓	g		
↓ $T_{26} T_{30} T_{28}$	✓	h		
↓ $T_{26} T_{28} T_{30}$	✓	h		
● $T_2 T_1 T_3$	✓	k		
↓ $T_4 T_3 T_2$	✓	k		
↓ $T_{24} T_3 T_{26}$	✓	l		
↓ $T_3 T_{26} T_{24}$	✓	l		
↓ $T_{30} T_{26} T_{28}$	✓	i		
↓ $T_{26} T_{28} T_{30}$	✓	i		

Tage	Minuten	Sekunden	
↑ 59	12	10	✓
25	52	17	✓
38	27	00	✓
19	05	00	✓
~~61~~	~~19~~	~~00~~	~~✓~~
237	33	00	✓
(122	27	00)	
20	50	00	✓
61	19	00	✓
84	12	00	✓
50	07	00	✓
27	09	30	✓
33	55	30	✓
85	27	30	✓
15	55	00	✓
94	55	33	✓
25	52	17	✓
45	41	00	✓
50	07	00	✓
↑ 78	37	30	✓
15	55	00	✓