

# Saccharose Spindeltischdaten

December 25, 2018

## 1 Weisses Licht

### 1.1 Optimierter Azimuth

#### 1.1.1 Achswinkel $2V$ :

	Estimate	SE	CI_l	CI_u
2V	49.10	0.57	47.98	50.22

### 1.1.2 Kartesische Koordinaten der Achsen:

	parameter	Estimate	SE	CI_l	CI_u
1	OA1x	-0.51	0.01	-0.53	-0.50
2	OA1y	-0.76	0.00	-0.77	-0.75
3	OA1z	0.39	0.01	0.38	0.41
4	OA2x	-0.12	0.00	-0.13	-0.12
5	OA2y	0.99	0.00	0.99	0.99
6	OA2z	0.09	0.00	0.08	0.10
7	ONx	0.60	0.01	0.59	0.62
8	ONy	0.00	0.00	-0.01	0.01
9	ONz	0.80	0.01	0.79	0.81
10	ABx	-0.21	0.00	-0.22	-0.21
11	ABy	-0.96	0.00	-0.96	-0.96
12	ABz	0.16	0.01	0.15	0.18
13	OBx	-0.77	0.00	-0.78	-0.76
14	OBy	0.27	0.00	0.26	0.28
15	OBz	0.58	0.01	0.57	0.59

### 1.1.3 Sphärische Koordinaten der Achsen:

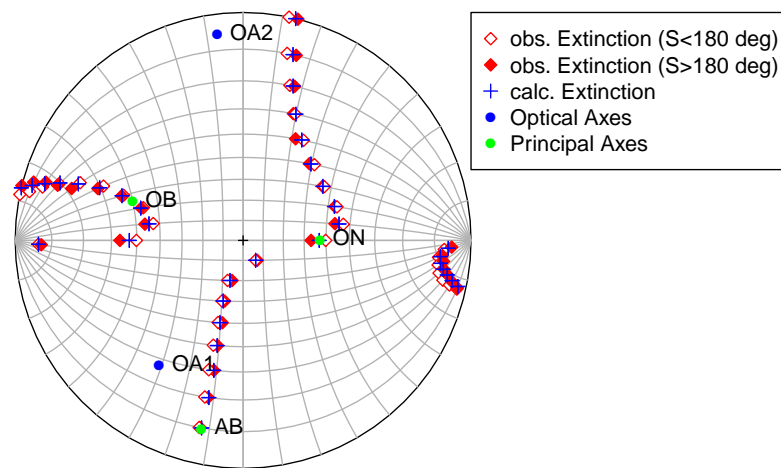
	Parameter	Estimate	SE	CI_l	CI_u
1	OA1 S	152.91	0.53	151.88	153.94
2	OA1 ES	120.86	0.45	119.98	121.74
3	OA2 S	5.36	0.25	4.87	5.84
4	OA2 ES	97.17	0.21	96.77	97.57
5	ON S	89.88	0.34	89.22	90.54
6	ON ES	52.80	0.51	51.80	53.80
7	AB S	170.34	0.34	169.67	171.01
8	AB ES	102.32	0.21	101.90	102.74
9	OB S	65.18	0.37	64.47	65.90
10	OB ES	140.13	0.44	139.26	140.99

#### 1.1.4 Winkel, die die Hauptachsen in die Drehtischebene bringen

	Axis	S	MS(EW)	MS(NS)
1	AB	170.34	101.54	11.54
2	OB	65.18	139.34	49.34
3	ON	89.88	52.02	142.02

### 1.1.5 Daten im Wulffschen Netz

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## [1] "Wulffnet"
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### **1.1.6 Gemessene und berechnete Extinktionen**

	S	MS	ES obs.	ES calc.	ES obs. - ES calc.
1	0	347.58	168.36	166.67	1.70
2	10	346.15	166.93	165.18	1.75
3	20	343.40	164.18	163.07	1.11
4	30	339.60	160.38	160.08	0.30
5	40	334.40	155.18	155.89	-0.71
6	50	328.03	148.81	150.26	-1.45
7	60	322.17	142.95	143.56	-0.61
8	70	315.47	136.25	137.35	-1.10
9	80	312.00	132.78	134.61	-1.83
10	90	319.40	140.18	143.05	-2.87
11	100	353.00	173.78	173.75	0.03
12	110	6.77	7.55	6.37	1.17
13	120	9.10	9.88	9.33	0.56
14	130	10.28	11.06	10.25	0.82
15	140	11.50	12.28	10.68	1.60
16	150	12.17	12.95	11.06	1.89
17	160	12.17	12.95	11.56	1.38
18	170	12.23	13.01	12.29	0.73
19	180	13.13	13.91	13.33	0.58
20	190	15.00	15.78	14.82	0.96
21	200	16.67	17.45	16.93	0.52
22	210	288.17	108.95	109.92	-0.97
23	220	290.80	111.58	114.11	-2.53
24	230	298.27	119.05	119.74	-0.69
25	240	305.53	126.31	126.44	-0.12
26	250	312.07	132.85	132.65	0.20
27	260	312.87	133.65	135.39	-1.74
28	270	302.43	123.21	126.95	-3.73
29	280	276.27	97.05	96.25	0.80
30	290	263.83	84.61	83.63	0.99
31	300	260.53	81.31	80.67	0.64
32	310	260.00	80.78	79.75	1.03
33	320	258.70	79.48	79.32	0.16
34	330	258.23	79.01	78.94	0.08
35	340	257.40	78.18	78.44	-0.26
36	350	256.53	77.31	77.71	-0.40