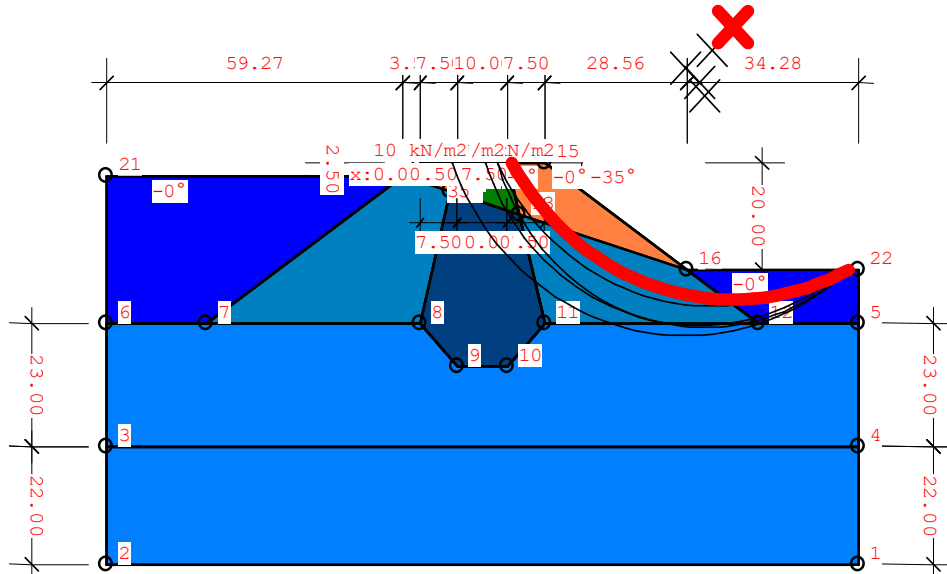


## RIB RTslope Slope Failure analysis Dammit Kern



### Result list file:

Programm GLEITK 18.0 Gleitkreis-Berechnung  
 Dammit Kern

Page 1

EingabeDatei: EINFÜHRUNG.GLK  
 Datum/Date: 26.10.2018  
 Berechnung nach DIN EN 1997-1:2009

als ständige Bemessungssituation entsprechend BS-P

#### Teilsicherheitsbeiwerte :

gamma_G	gamma_Q	gamma_phi	gamma_c
1.00	1.30	1.25	1.25

Schicht | eingeschlossen von den Knoten

1	1	2	3	4							
2	5	4	3	6	7	8	9	10	11	12	
3	13	14	15	16							
4	17	18	19	20							
5	20	19	14	13							
6	16	12	11	13							
7	20	8	7	17							
8	20	13	11	10	9	8					
9	21	17	7	6							
10	22	5	12	16							

Knotenkoordinaten			Knotenkoordinaten			Knotenkoordinaten		
Nr.	x	y	Nr.	x	y	Nr.	x	y
1	87.84	-75.00	2	-62.84	-75.00	3	-62.84	-53.00
4	87.84	-53.00	5	87.84	-30.00	6	-62.84	-30.00
7	-42.84	-30.00	8	0.00	-30.00	9	7.50	-38.00
10	17.50	-38.00	11	25.00	-30.00	12	67.84	-30.00
13	19.92	-9.70	14	17.50	0.00	15	25.00	0.00
16	53.56	-20.00	17	-3.57	-2.50	18	0.00	0.00
19	7.50	0.00	20	6.13	-5.47	21	-62.84	-2.50
22	87.84	-20.00						

Porenwasserdruckverhältnis

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LF	Sch.	gamma	phi	c	1	2	3	4	5	6	7	8	9	10	KZP
1	1	18.0A	26.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
2	2	18.0A	26.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
3	3	20.0	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
4	4	20.0	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
5	5	22.0	27.5	10.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
6	6	20.0A	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
7	7	20.0A	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
8	8	22.0A	27.5	10.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
9	9	10.0A	0.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
10	10	10.0A	0.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0

**Wasser 10.0**

Programm GLEITK 18.0 Gleitkreis-Berechnung  
 Damm mit Kern

**Lasten die wie Lamellen wirken**

LF	x1	y1	x2	y2	px1	py1	px2	py2	Var
11	17.50	0.00	25.00	0.00	0.00	-10.00	0.00	-10.00	0
12	7.50	0.00	17.50	0.00	0.00	-10.00	0.00	-10.00	0
13	0.00	0.00	7.50	0.00	0.00	-10.00	0.00	-10.00	0

**Gleitkreise**

Gleitkreise

Nr.	Radius	x-Ord.	y-Ord.	Nr.	Radius	x-Ord.	y-Ord.
1	47.82	58.50	21.00	2	45.47	56.00	15.00
3	50.03	53.20	17.70	4	43.42	57.10	12.60
5	51.01	62.70	25.40				

**Lamellenteilungsfaktor** = 15.00

Programm GLEITK 18.0 Gleitkreis-Berechnung  
 Damm mit Kern

Page 3

**Neues Koordinatensystem:** dx = 0.000, dy = 32.330

**Schicht** | eingeschlossen von den Knoten

1		1	2	3	4									
2		5	4	3	6	7	8	9	10	11	12			
3		13	14	15	16									
4		17	18	19	20									
5		20	19	14	13									
6		16	12	11	13									
7		20	8	7	17									
8		20	13	11	10	9	8							
9		21	17	7	6									
10		22	5	12	16									

Knotenkoordinaten			Knotenkoordinaten			Knotenkoordinaten		
Nr.	x	y	Nr.	x	y	Nr.	x	y
1	87.84	-42.67	2	-62.84	-42.67	3	-62.84	-20.67
4	87.84	-20.67	5	87.84	2.33	6	-62.84	2.33
7	-42.84	2.33	8	0.00	2.33	9	7.50	-5.67
10	17.50	-5.67	11	25.00	2.33	12	67.84	2.33
13	19.92	22.63	14	17.50	32.33	15	25.00	32.33
16	53.56	12.33	17	-3.57	29.83	18	0.00	32.33
19	7.50	32.33	20	6.13	26.86	21	-62.84	29.83
22	87.84	12.33						

Porenwasserdruckverhältnis

LF	Sch.	gamma	phi	c	1	2	3	4	5	6	7	8	9	10	KZP
1	1	18.0A	26.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
2	2	18.0A	26.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
3	3	20.0	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
4	4	20.0	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
5	5	22.0	27.5	10.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
6	6	20.0A	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
7	7	20.0A	32.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
8	8	22.0A	27.5	10.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
9	9	10.0A	0.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0
10	10	10.0A	0.0	0.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0

**Wasser 10.0**

**Lasten die wie Lamellen wirken**

LF	x1	y1	x2	y2	px1	py1	px2	py2	Var
11	17.50	32.33	25.00	32.33	0.00	-10.00	0.00	-10.00	0
12	7.50	32.33	17.50	32.33	0.00	-10.00	0.00	-10.00	0
13	0.00	32.33	7.50	32.33	0.00	-10.00	0.00	-10.00	0

Programm GLEITK 18.0 Gleitkreis-Berechnung  
 Damm mit Kern

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**Gleitkreise**

Gleitkreise				Gleitkreise			
Nr.	Radius	x-Ord.	y-Ord.	Nr.	Radius	x-Ord.	y-Ord.
1	47.82	58.50	53.33	2	45.47	56.00	47.33
3	50.03	53.20	50.03	4	43.42	57.10	44.93
5	51.01	62.70	57.73				

**Lamellenteilungsfaktor** = 15.00

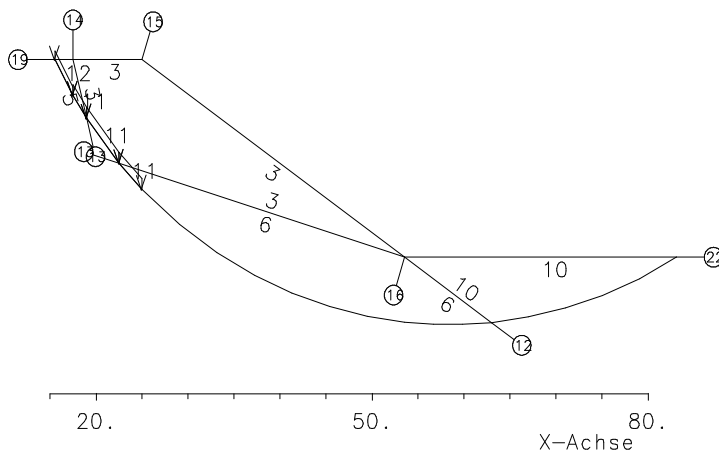
Programm GLEITK 18.0 Gleitkreis-Berechnung  
 Damm mit Kern

Komb.	Erdbebenfaktor		Lastfälle										
	horizontal	vertikal	1	2	3	4	5	6	7	8	9	10	
1	0.00	0.00											
				11	12	13							
Komb.	Mass-Stab	Kreise											
		1	2	3	4	5							
1	1: 100												

Programm GLEITK 18.0 Gleitkreis-Berechnung  
 Damm mit Kern

Komb	Kreis	Radius	x	y	ebfh	ebfv	Rd	Ed	Rd/Ed
1	1	47.82	58.50	53.33	0.00	0.00	3024.7	3913.6	0.773
									-
1	2	45.47	56.00	47.33	0.00	0.00	4169.1	5407.4	0.771
									-
1	3	50.03	53.20	50.03	0.00	0.00	5359.3	6957.8	0.770
									-
1	4	43.42	57.10	44.93	0.00	0.00	3801.1	5128.9	0.741
									-
1	5	51.01	62.70	57.73	0.00	0.00	2151.0	2930.1	0.734
									-

ENDE Damm mit Kern  
 Die Berechnung erfolgte nach dem Lamellenverfahren von Bishop  
 (Vgl. DIN 4084, Juli 1981)  
 ENDE Gleitkreisberechnung

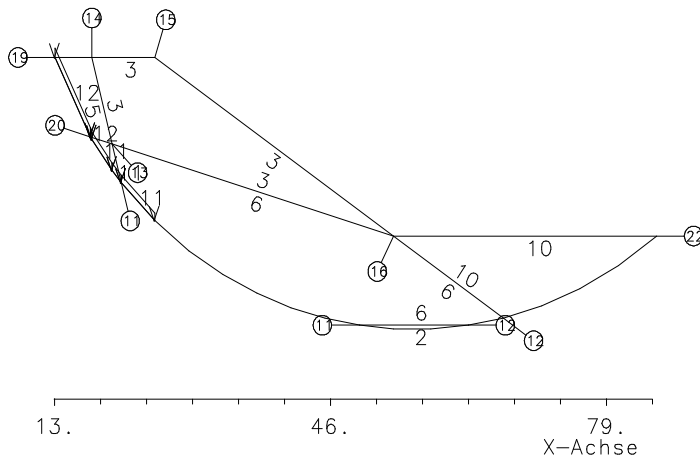


LF	SCH	GAMMA	PHI	C
10	10	10.0A	0.0	0.0
6	6	20.0A	32.0	0.0
3	3	20.0	32.0	0.0
5	5	22.0	27.5	10.0

LAST	LU	RU
12	4.772	4.772
11	6.175	6.175

Damm mit Kern  
 Kombi= 1 Kreis= 1 Radius= 47.82 x= 58.50 y= 53.33 Eh= 0.0 Ev= 0.0  
 Mass-Stab= 1: 500 Rd/Ed= 0.77 - Bishop

Programm GLEI18.0 R

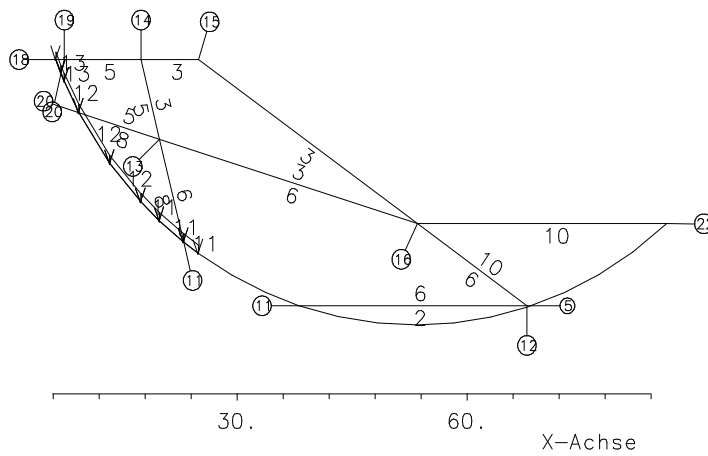


LF	SCH	GAMMA	PHI	C
10	10	10.0A	0.0	0.0
2	2	18.0A	26.0	0.0
6	6	20.0A	32.0	0.0
3	3	20.0	32.0	0.0
8	8	22.0A	27.5	10.0
5	5	22.0	27.5	10.0

LAST	LU	RU
12	4.328	4.328
11	6.354	6.354

Damm mit Kern  
 Kombi= 1 Kreis= 2 Radius= 45.47 x= 56.00 y= 47.33 Eh= 0.0 Ev= 0.0  
 Mass-Stab= 1: 550 Rd/Ed= 0.77 - Bishop

Programm GLEI18.0 R

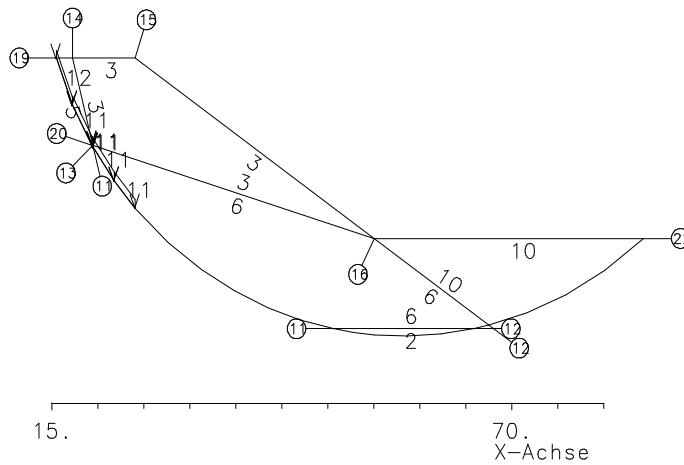


LF	SCH	GAMMA	PHI	C
10	10	10.0A	0.0	0.0
2	2	18.0A	26.0	0.0
6	6	20.0A	32.0	0.0
3	3	20.0	32.0	0.0
8	8	22.0A	27.5	10.0
5	5	22.0	27.5	10.0
4	4	20.0	32.0	0.0

LAST	LU	RU
13	3.805	3.805
12	5.597	5.597
11	7.657	7.657

Damm mit Kern  
 Kombi= 1 Kreis= 3 Radius= 50.03 x= 53.20 y= 50.03 Eh= 0.0 Ev= 0.0  
 Mass-Stab= 1: 600 Rd/Ed= 0.77 - Bishop

Programm GLEI18.0 R

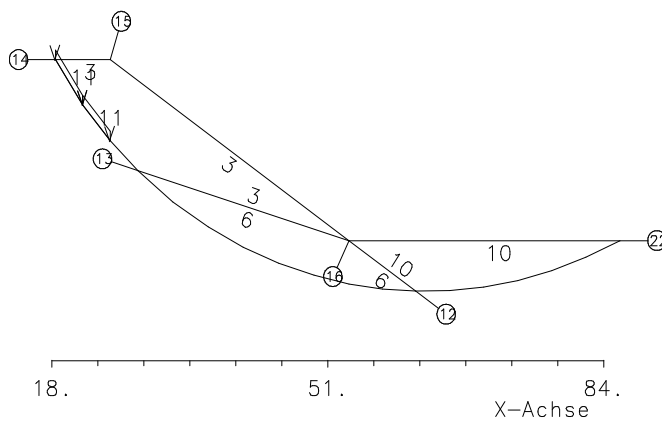


LF	SCH	GAMMA	PHI	C
10	10	10.0A	0.0	0.0
2	2	18.0A	26.0	0.0
6	6	20.0A	32.0	0.0
8	8	22.0A	27.5	10.0
5	5	20.0	32.0	0.0
5	5	22.0	27.5	10.0

LAST	LU	RU
12	3.506	3.506
11	5.463	5.463

Damm mit Kern  
 Kombi= 1 Kreis= 4 Radius= 43.42 x= 57.10 y= 44.93 Eh= 0.0 Ev= 0.0  
 Mass-Stab= 1: 550 Rd/Ed= 0.74 - Bishop

Programm GLEI18.0 R



LF	SCH	GAMMA	PHI	C
10	10	10.0A	0.0	0.0
6	6	20.0A	32.0	0.0
3	3	20.0	32.0	0.0

LAST	LU	RU
11	5.881	5.881

Damm mit Kern  
 Kombi= 1 Kreis= 5 Radius= 51.01 x= 62.70 y= 57.73 Eh= 0.0 Ev= 0.0  
 Mass-Stab= 1: 550 Rd/Ed= 0.73 - Bishop

Programm GLEI18.0 R