

General Theorems					
g	s	e ₂	e ₃	min. g.s.	comment
≥1	≥3	0	0	(g-1+s)[2]	Satz A
1	2	0	0	2[2]+1[4]	Satz B
0	≥3	0	0	(s-1)[2]	Satz C
0	2	0	≥1	1[2]+e ₃ [4]+e ₃ [6]	Satz D
0	2	≥1	0	1[2]+e ₂ [4]	Satz E
0	2	≥1	≥1	1[2]+(e ₂ +e ₃)[4]+e ₃ [6]	Satz F

Gamma ₀ (l) for l ≤ 100							
level	genus	cusps	efp ₂	efp ₃	comment	min. set of generators	dim M _k (l)
1	0	1	1	1	Folklore	1 [4] + 1 [6]	-1/2*k + 1 + [k/4] + [k/3]
2	0	2	1		Satz E	1 [2] + 1 [4]	1 + [k/4]
3	0	2		1	Satz D	1 [2] + 1 [4] + 1 [6]	1 + [k/3]
4	0	3			Satz C	2 [2]	1/2*k + 1
5	0	2	2		Satz E	1 [2] + 2 [4]	1 + 2*[k/4]
6	0	4			Satz C	3 [2]	k + 1
7	0	2		2	Satz D	1 [2] + 2 [4] + 2 [6]	1 + 2*[k/3]
8	0	4			Satz C	3 [2]	k + 1
9	0	4			Satz C	3 [2]	k + 1
10	0	4	2				k + 1 + 2*[k/4]
11	1	2			Satz B	2 [2] + 1 [4]	k
12	0	6			Satz C	5 [2]	2*k + 1
13	0	2	2	2	Satz F	1 [2] + 4 [4] + 2 [6]	1 + 2*[k/4] + 2*[k/3]
14	1	4			Satz A	4 [2]	2*k
15	1	4			Satz A	4 [2]	2*k
16	0	6			Satz C	5 [2]	2*k + 1
17	1	2	2				k + 2*[k/4]
18	0	8			Satz C	7 [2]	3*k + 1
19	1	2		2			k + 2*[k/3]
20	1	6			Satz A	6 [2]	3*k
21	1	4		2			2*k + 2*[k/3]
22	2	4			Satz A	5 [2]	3*k - 1
23	2	2					2*k - 1