Lens spaces: $L_{12,1}$ $L_{21,2}$ $L_{28,3}$ $L_{29,3}$ $L_{33,4}$ $L_{35,4}$ $L_{36,5}$ $L_{36,17}$ $L_{37,6}$ $L_{39,5}$ $L_{41,6}$ $L_{42,5}$ $L_{43,5}$ $L_{47,15}$ $L_{49,17}$ $L_{51,7}$ $L_{52,7}$ $L_{53,7}$ $L_{54,7}$ $L_{54,13}$ $L_{56,9}$ $L_{57,11}$ $L_{58,9}$ $L_{58,15}$ $L_{59,8}$ $L_{59,9}$ $L_{60,11}$ $L_{60,19}$ $L_{61,8}$ $L_{61,9}$ $L_{61,11}$ $L_{63,10}$ $L_{63,13}$ $L_{63,20}$ $L_{64,11}$ $L_{66,23}$ $L_{67,10}$ $L_{67,16}$ $L_{68,13}$ $L_{69,11}$ $L_{69,13}$ $L_{69,28}$ $L_{70,11}$ $L_{71,17}$ $L_{71,28}$ $L_{72,17}$ $L_{73,11}$ $L_{73,14}$ $L_{73,19}$ $L_{74,11}$ $L_{74,13}$ $L_{75,13}$ $L_{75,14}$ $L_{77,12}$ $L_{77,16}$ $L_{77,20}$ $L_{79,12}$ $L_{79,14}$ $L_{79,15}$ $L_{80,19}$ $L_{81,14}$ $L_{81,17}$ $L_{81,35}$ $L_{82,17}$ $L_{83,13}$ $L_{83,24}$ $L_{85,24}$ $L_{85,38}$ $L_{86,13}$ $L_{86,15}$ $L_{86,27}$ $L_{87,16}$ $L_{87,37}$ $L_{88,23}$ $L_{89,16}$ $L_{89,20}$ $L_{89,28}$ $L_{90,17}$ $L_{90,19}$ $L_{91,19}$ $L_{91,20}$ $L_{91,32}$ $L_{92,17}$ $L_{93,22}$ $L_{94,33}$ $L_{94,35}$ $L_{95,17}$ $L_{95,18}$ $L_{95,42}$ $L_{96,29}$ $L_{97,17}$ $L_{97,18}$ $L_{97,22}$ $L_{97,23}$ $L_{97,30}$ $L_{98,37}$ $L_{99,23}$ $L_{100,29}$ $L_{101,18}$ $L_{101,22}$ $L_{102,19}$ $L_{102,23}$ $L_{103,18}$ $L_{103,19}$ $L_{103,24}$ $L_{103,27}$ $L_{103,29}$ $L_{104,31}$ $L_{104,37}$ $L_{105,22}$ $L_{105,23}$ $L_{105,38}$ $L_{106,19}$ $L_{106,23}$ $L_{106,33}$ $L_{107,19}$ $L_{107,25}$ $L_{107,28}$ $L_{107,29}$ $L_{107,31}$ $L_{108,23}$ $L_{109,25}$ $L_{109,33}$ $L_{110,23}$ $L_{110,31}$ $L_{111,25}$ $L_{111,26}$ $L_{111,34}$ $L_{113,21}$ $L_{113,24}$ $L_{113,30}$ $L_{113,31}$ $L_{113,35}$ $L_{113,40}$ $L_{114,25}$ $L_{115,26}$ $L_{115,42}$ $L_{116,25}$ $L_{116,27}$ $L_{117,31}$ $L_{118,21}$ $L_{118,25}$ $L_{118,27}$ $L_{118,49}$ $L_{119,26}$ $L_{119,36}$ $L_{119,37}$ $L_{120,43}$ $L_{120,49}$ $L_{121,32}$ $L_{121,36}$ $L_{121,43}$ $L_{122,33}$ $L_{122,51}$ $L_{123,26}$ $L_{124,29}$ $L_{125,27}$ $L_{125,33}$ $L_{125,49}$ $L_{126,55}$ $L_{127,27}$ $L_{127,29}$ $L_{127,34}$ $L_{127,45}$ $L_{127,49}$ $L_{128,29}$ $L_{129,53}$ $L_{130,47}$ $L_{130,51}$ $L_{130,57}$ $L_{131,30}$ $L_{131,36}$ $L_{131,39}$ $L_{132,35}$ $L_{133,29}$ $L_{133,36}$ $L_{133,39}$ $L_{133,51}$ $L_{134,29}$ $L_{134,39}$ $L_{134,41}$ $L_{135,41}$ $L_{136,31}$ $L_{136,53}$ $L_{137,29}$ $L_{137,31}$ $L_{137,37}$ $L_{138,37}$ $L_{139,30}$ $L_{139,39}$ $L_{139,41}$ $L_{140,37}$ $L_{140,39}$ $L_{140,41}$ $L_{141,41}$ $L_{141,43}$ $L_{142,31}$ $L_{142,39}$ $L_{143,31}$ $L_{143,59}$ $L_{144,59}$ $L_{145,44}$ $L_{145,52}$ $L_{146,41}$ $L_{147,41}$ $L_{147,53}$ $L_{147,62}$ $L_{148,41}$ $L_{149,34}$ $L_{149,40}$ $L_{149,44}$ $L_{149,55}$ $L_{151,56}$ $L_{151,59}$ $L_{152,41}$ $L_{152,59}$ $L_{153,41}$ $L_{153,55}$ $L_{154,43}$ $L_{154,45}$ $L_{154,47}$ $L_{155,46}$ $L_{155,57}$ $L_{157,34}$ $L_{157,46}$ $L_{157,66}$ $L_{158,57}$ $L_{159,44}$ $L_{159,59}$ $L_{160,43}$ $L_{161,45}$ $L_{161,61}$ $L_{163,44}$ $L_{163,62}$ $L_{165,46}$ $L_{165,49}$ $L_{166,49}$ $L_{167,46}$ $L_{167,60}$ $L_{168,71}$ $L_{169,50}$ $L_{169,64}$ $L_{169,70}$ $L_{170,47}$ $L_{171,50}$ $L_{172,63}$ $L_{173,64}$ $L_{173,66}$ $L_{175,47}$ $L_{176,65}$ $L_{177,49}$ $L_{178,49}$ $L_{179,50}$ $L_{179,74}$ $L_{181,50}$ $L_{181,70}$ $L_{183,67}$ $L_{185,68}$ $L_{186,55}$ $L_{187,71}$ $L_{188,69}$ $L_{191,74}$ $L_{192,71}$ $L_{193,81}$ $L_{194,75}$ $L_{196,75}$ $L_{199,55}$ $L_{207,76}$ $L_{208,79}$ $L_{209,80}$ $L_{212,81}$ $L_{233,89}$

Seifert spaces over S^2:

N	fibers	b	geometry
273	$(2,1)(2,1)(2,1)$	5	other elliptic
274	$(2,1)(2,1)(3,1)$	4	other elliptic
275	$(2,1)(2,1)(3,2)$	4	other elliptic
276	$(2,1)(2,1)(4,1)$	3	other elliptic
277	$(2,1)(2,1)(4,3)$	3	other elliptic
278	$(2,1)(2,1)(5,1)$	2	other elliptic
279	$(2,1)(2,1)(5,2)$	3	other elliptic
280	$(2,1)(2,1)(5,3)$	3	other elliptic
281	$(2,1)(2,1)(5,4)$	2	other elliptic
282	$(2,1)(2,1)(6,1)$	1	other elliptic
283	$(2,1)(2,1)(6,5)$	1	other elliptic
284	$(2,1)(2,1)(7,1)$	0	other elliptic
285	$(2,1)(2,1)(7,2)$	2	other elliptic
286	$(2,1)(2,1)(7,3)$	2	other elliptic
287	$(2,1)(2,1)(7,4)$	2	other elliptic
288	$(2,1)(2,1)(7,5)$	2	other elliptic
289	$(2,1)(2,1)(7,6)$	0	other elliptic
290	$(2,1)(2,1)(8,3)$	2	other elliptic
291	$(2,1)(2,1)(8,5)$	2	other elliptic
292	$(2,1)(2,1)(8,7)$	-1	other elliptic
293	$(2,1)(2,1)(9,2)$	1	other elliptic
294	$(2,1)(2,1)(9,4)$	1	other elliptic
295	$(2,1)(2,1)(9,5)$	1	other elliptic
296	$(2,1)(2,1)(9,7)$	1	other elliptic
297	$(2,1)(2,1)(10,3)$	1	other elliptic
298	$(2,1)(2,1)(10,7)$	1	other elliptic
299	$(2,1)(2,1)(11,2)$	0	other elliptic
300	$(2,1)(2,1)(11,3)$	1	other elliptic
301	$(2,1)(2,1)(11,4)$	1	other elliptic
302	$(2,1)(2,1)(11,5)$	0	other elliptic
303	$(2,1)(2,1)(11,6)$	0	other elliptic
304	$(2,1)(2,1)(11,7)$	1	other elliptic
305	$(2,1)(2,1)(11,8)$	1	other elliptic
306	$(2,1)(2,1)(11,9)$	0	other elliptic
307	$(2,1)(2,1)(12,5)$	1	other elliptic

N	fibers	b	geometry
308	$(2,1)(2,1)(12,7)$	1	other elliptic
309	$(2,1)(2,1)(13,2)$	-1	other elliptic
310	$(2,1)(2,1)(13,3)$	0	other elliptic
311	$(2,1)(2,1)(13,4)$	0	other elliptic
312	$(2,1)(2,1)(13,5)$	1	other elliptic
313	$(2,1)(2,1)(13,6)$	-1	other elliptic
314	$(2,1)(2,1)(13,7)$	-1	other elliptic
315	$(2,1)(2,1)(13,8)$	1	other elliptic
316	$(2,1)(2,1)(13,9)$	0	other elliptic
317	$(2,1)(2,1)(13,10)$	0	other elliptic
318	$(2,1)(2,1)(13,11)$	-1	other elliptic
319	$(2,1)(2,1)(14,3)$	0	other elliptic
320	$(2,1)(2,1)(14,5)$	0	other elliptic
321	$(2,1)(2,1)(14,9)$	0	other elliptic
322	$(2,1)(2,1)(14,11)$	0	other elliptic
323	$(2,1)(2,1)(15,4)$	0	other elliptic
324	$(2,1)(2,1)(15,11)$	0	other elliptic
325	$(2,1)(2,1)(16,3)$	-1	other elliptic
326	$(2,1)(2,1)(16,5)$	-1	other elliptic
327	$(2,1)(2,1)(16,7)$	0	other elliptic
328	$(2,1)(2,1)(16,9)$	0	other elliptic
329	$(2,1)(2,1)(16,11)$	-1	other elliptic
330	$(2,1)(2,1)(16,13)$	-1	other elliptic
331	$(2,1)(2,1)(17,3)$	-1	other elliptic
332	$(2,1)(2,1)(17,4)$	-1	other elliptic
333	$(2,1)(2,1)(17,5)$	0	other elliptic
334	$(2,1)(2,1)(17,6)$	-1	other elliptic
335	$(2,1)(2,1)(17,7)$	0	other elliptic
336	$(2,1)(2,1)(17,10)$	0	other elliptic
337	$(2,1)(2,1)(17,11)$	-1	other elliptic
338	$(2,1)(2,1)(17,12)$	0	other elliptic
339	$(2,1)(2,1)(17,13)$	-1	other elliptic
340	$(2,1)(2,1)(17,14)$	-1	other elliptic
341	$(2,1)(2,1)(18,5)$	0	other elliptic
342	$(2,1)(2,1)(18,7)$	0	other elliptic

N	fibers	b	geometry
343	$(2,1)(2,1)(18,11)$	0	other elliptic
344	$(2,1)(2,1)(18,13)$	0	other elliptic
345	$(2,1)(2,1)(19,4)$	-1	other elliptic
346	$(2,1)(2,1)(19,5)$	-1	other elliptic
347	$(2,1)(2,1)(19,7)$	0	other elliptic
348	$(2,1)(2,1)(19,8)$	0	other elliptic
349	$(2,1)(2,1)(19,11)$	0	other elliptic
350	$(2,1)(2,1)(19,12)$	0	other elliptic
351	$(2,1)(2,1)(19,14)$	-1	other elliptic
352	$(2,1)(2,1)(19,15)$	-1	other elliptic
353	$(2,1)(2,1)(20,9)$	-1	other elliptic
354	$(2,1)(2,1)(20,11)$	-1	other elliptic
355	$(2,1)(2,1)(21,8)$	0	other elliptic
356	$(2,1)(2,1)(21,13)$	0	other elliptic
357	$(2,1)(2,1)(22,5)$	-1	other elliptic
358	$(2,1)(2,1)(22,9)$	-1	other elliptic
359	$(2,1)(2,1)(22,13)$	-1	other elliptic
360	$(2,1)(2,1)(22,17)$	-1	other elliptic
361	$(2,1)(2,1)(23,5)$	-1	other elliptic
362	$(2,1)(2,1)(23,7)$	-1	other elliptic
363	$(2,1)(2,1)(23,9)$	-1	other elliptic
364	$(2,1)(2,1)(23,10)$	-1	other elliptic
365	$(2,1)(2,1)(23,13)$	-1	other elliptic
366	$(2,1)(2,1)(23,14)$	-1	other elliptic
367	$(2,1)(2,1)(23,16)$	-1	other elliptic
368	$(2,1)(2,1)(23,18)$	-1	other elliptic
369	$(2,1)(2,1)(24,7)$	-1	other elliptic
370	$(2,1)(2,1)(24,17)$	-1	other elliptic
371	$(2,1)(2,1)(25,7)$	-1	other elliptic
372	$(2,1)(2,1)(25,9)$	-1	other elliptic
373	$(2,1)(2,1)(25,11)$	-1	other elliptic
374	$(2,1)(2,1)(25,14)$	-1	other elliptic
375	$(2,1)(2,1)(25,16)$	-1	other elliptic
376	$(2,1)(2,1)(25,18)$	-1	other elliptic
377	$(2,1)(2,1)(26,7)$	-1	other elliptic

N	fibers	b	geometry
378	$(2,1)(2,1)(26,11)$	-1	other elliptic
379	$(2,1)(2,1)(26,15)$	-1	other elliptic
380	$(2,1)(2,1)(26,19)$	-1	other elliptic
381	$(2,1)(2,1)(27,8)$	-1	other elliptic
382	$(2,1)(2,1)(27,10)$	-1	other elliptic
383	$(2,1)(2,1)(27,17)$	-1	other elliptic
384	$(2,1)(2,1)(27,19)$	-1	other elliptic
385	$(2,1)(2,1)(29,8)$	-1	other elliptic
386	$(2,1)(2,1)(29,11)$	-1	other elliptic
387	$(2,1)(2,1)(29,12)$	-1	other elliptic
388	$(2,1)(2,1)(29,17)$	-1	other elliptic
389	$(2,1)(2,1)(29,18)$	-1	other elliptic
390	$(2,1)(2,1)(29,21)$	-1	other elliptic
391	$(2,1)(2,1)(30,11)$	-1	other elliptic
392	$(2,1)(2,1)(30,19)$	-1	other elliptic
393	$(2,1)(2,1)(31,12)$	-1	other elliptic
394	$(2,1)(2,1)(31,13)$	-1	other elliptic
395	$(2,1)(2,1)(31,18)$	-1	other elliptic
396	$(2,1)(2,1)(31,19)$	-1	other elliptic
397	$(2,1)(2,1)(34,13)$	-1	other elliptic
398	$(2,1)(2,1)(34,21)$	-1	other elliptic
399	$(2,1)(3,1)(3,1)$	3	other elliptic
400	$(2,1)(3,1)(3,2)$	3	other elliptic
401	$(2,1)(3,1)(4,1)$	2	other elliptic
402	$(2,1)(3,1)(4,3)$	2	other elliptic
403	$(2,1)(3,1)(5,1)$	1	other elliptic
404	$(2,1)(3,1)(5,2)$	2	other elliptic
405	$(2,1)(3,1)(5,3)$	2	other elliptic
406	$(2,1)(3,1)(5,4)$	1	other elliptic
407	$(2,1)(3,1)(6,1)$	0	Nil
408	$(2,1)(3,1)(6,5)$	0	Nil
409	$(2,1)(3,1)(7,2)$	1	SL_2
410	$(2,1)(3,1)(7,3)$	1	SL_2
411	$(2,1)(3,1)(7,4)$	1	SL_2
412	$(2,1)(3,1)(7,5)$	1	SL_2

N	fibers	b	geometry
413	$(2,1)(3,1)(7,6)$	-1	SL_2
414	$(2,1)(3,1)(8,3)$	1	SL_2
415	$(2,1)(3,1)(8,5)$	1	SL_2
416	$(2,1)(3,1)(9,2)$	0	SL_2
417	$(2,1)(3,1)(9,4)$	0	SL_2
418	$(2,1)(3,1)(9,5)$	0	SL_2
419	$(2,1)(3,1)(9,7)$	0	SL_2
420	$(2,1)(3,1)(10,3)$	0	SL_2
421	$(2,1)(3,1)(10,7)$	0	SL_2
422	$(2,1)(3,1)(11,3)$	0	SL_2
423	$(2,1)(3,1)(11,4)$	0	SL_2
424	$(2,1)(3,1)(11,5)$	-1	SL_2
425	$(2,1)(3,1)(11,6)$	-1	SL_2
426	$(2,1)(3,1)(11,7)$	0	SL_2
427	$(2,1)(3,1)(11,8)$	0	SL_2
428	$(2,1)(3,1)(11,9)$	-1	SL_2
429	$(2,1)(3,1)(12,5)$	0	SL_2
430	$(2,1)(3,1)(12,7)$	0	SL_2
431	$(2,1)(3,1)(13,3)$	-1	SL_2
432	$(2,1)(3,1)(13,4)$	-1	SL_2
433	$(2,1)(3,1)(13,5)$	0	SL_2
434	$(2,1)(3,1)(13,8)$	0	SL_2
435	$(2,1)(3,1)(13,9)$	-1	SL_2
436	$(2,1)(3,1)(13,10)$	-1	SL_2
437	$(2,1)(3,1)(14,3)$	-1	SL_2
438	$(2,1)(3,1)(14,5)$	-1	SL_2
439	$(2,1)(3,1)(14,9)$	-1	SL_2
440	$(2,1)(3,1)(14,11)$	-1	SL_2
441	$(2,1)(3,1)(15,4)$	-1	SL_2
442	$(2,1)(3,1)(15,11)$	-1	SL_2
443	$(2,1)(3,1)(16,7)$	-1	SL_2
444	$(2,1)(3,1)(16,9)$	-1	SL_2
445	$(2,1)(3,1)(17,5)$	-1	SL_2
446	$(2,1)(3,1)(17,7)$	-1	SL_2
447	$(2,1)(3,1)(17,10)$	-1	SL_2

N	fibers	b	geometry
448	$(2,1)(3,1)(17,12)$	-1	SL_2
449	$(2,1)(3,1)(18,5)$	-1	SL_2
450	$(2,1)(3,1)(18,7)$	-1	SL_2
451	$(2,1)(3,1)(18,11)$	-1	SL_2
452	$(2,1)(3,1)(18,13)$	-1	SL_2
453	$(2,1)(3,1)(19,7)$	-1	SL_2
454	$(2,1)(3,1)(19,8)$	-1	SL_2
455	$(2,1)(3,1)(19,11)$	-1	SL_2
456	$(2,1)(3,1)(19,12)$	-1	SL_2
457	$(2,1)(3,1)(21,8)$	-1	SL_2
458	$(2,1)(3,1)(21,13)$	-1	SL_2
459	$(2,1)(3,2)(3,2)$	3	other elliptic
460	$(2,1)(3,2)(4,1)$	2	other elliptic
461	$(2,1)(3,2)(4,3)$	2	other elliptic
462	$(2,1)(3,2)(5,1)$	1	other elliptic
463	$(2,1)(3,2)(5,2)$	2	other elliptic
464	$(2,1)(3,2)(5,3)$	2	other elliptic
465	$(2,1)(3,2)(5,4)$	1	other elliptic
466	$(2,1)(3,2)(6,1)$	0	Nil
467	$(2,1)(3,2)(6,5)$	0	Nil
468	$(2,1)(3,2)(7,1)$	-1	SL_2
469	$(2,1)(3,2)(7,2)$	1	SL_2
470	$(2,1)(3,2)(7,3)$	1	SL_2
471	$(2,1)(3,2)(7,4)$	1	SL_2
472	$(2,1)(3,2)(7,5)$	1	SL_2
473	$(2,1)(3,2)(7,6)$	-1	SL_2
474	$(2,1)(3,2)(8,3)$	1	SL_2
475	$(2,1)(3,2)(8,5)$	1	SL_2
476	$(2,1)(3,2)(9,2)$	0	SL_2
477	$(2,1)(3,2)(9,4)$	0	SL_2
478	$(2,1)(3,2)(9,5)$	0	SL_2
479	$(2,1)(3,2)(9,7)$	0	SL_2
480	$(2,1)(3,2)(10,3)$	0	SL_2
481	$(2,1)(3,2)(10,7)$	0	SL_2
482	$(2,1)(3,2)(11,2)$	-1	SL_2

N	fibers	b	geometry
483	$(2,1)(3,2)(11,3)$	0	SL_2
484	$(2,1)(3,2)(11,4)$	0	SL_2
485	$(2,1)(3,2)(11,5)$	-1	SL_2
486	$(2,1)(3,2)(11,6)$	-1	SL_2
487	$(2,1)(3,2)(11,7)$	0	SL_2
488	$(2,1)(3,2)(11,8)$	0	SL_2
489	$(2,1)(3,2)(11,9)$	-1	SL_2
490	$(2,1)(3,2)(12,5)$	0	SL_2
491	$(2,1)(3,2)(12,7)$	0	SL_2
492	$(2,1)(3,2)(13,3)$	-1	SL_2
493	$(2,1)(3,2)(13,4)$	-1	SL_2
494	$(2,1)(3,2)(13,5)$	0	SL_2
495	$(2,1)(3,2)(13,8)$	0	SL_2
496	$(2,1)(3,2)(13,9)$	-1	SL_2
497	$(2,1)(3,2)(13,10)$	-1	SL_2
498	$(2,1)(3,2)(14,3)$	-1	SL_2
499	$(2,1)(3,2)(14,5)$	-1	SL_2
500	$(2,1)(3,2)(14,9)$	-1	SL_2
501	$(2,1)(3,2)(14,11)$	-1	SL_2
502	$(2,1)(3,2)(15,4)$	-1	SL_2
503	$(2,1)(3,2)(15,11)$	-1	SL_2
504	$(2,1)(3,2)(16,7)$	-1	SL_2
505	$(2,1)(3,2)(16,9)$	-1	SL_2
506	$(2,1)(3,2)(17,5)$	-1	SL_2
507	$(2,1)(3,2)(17,7)$	-1	SL_2
508	$(2,1)(3,2)(17,10)$	-1	SL_2
509	$(2,1)(3,2)(17,12)$	-1	SL_2
510	$(2,1)(3,2)(18,5)$	-1	SL_2
511	$(2,1)(3,2)(18,7)$	-1	SL_2
512	$(2,1)(3,2)(18,11)$	-1	SL_2
513	$(2,1)(3,2)(18,13)$	-1	SL_2
514	$(2,1)(3,2)(19,7)$	-1	SL_2
515	$(2,1)(3,2)(19,8)$	-1	SL_2
516	$(2,1)(3,2)(19,11)$	-1	SL_2
517	$(2,1)(3,2)(19,12)$	-1	SL_2

N	fibers	b	geometry
518	$(2,1)(3,2)(21,8)$	-1	SL_2
519	$(2,1)(3,2)(21,13)$	-1	SL_2
520	$(2,1)(4,1)(4,1)$	1	Nil
521	$(2,1)(4,1)(4,3)$	1	Nil
522	$(2,1)(4,1)(5,1)$	0	SL_2
523	$(2,1)(4,1)(5,2)$	1	SL_2
524	$(2,1)(4,1)(5,3)$	1	SL_2
525	$(2,1)(4,1)(5,4)$	0	SL_2
526	$(2,1)(4,1)(6,5)$	-1	SL_2
527	$(2,1)(4,1)(7,2)$	0	SL_2
528	$(2,1)(4,1)(7,3)$	0	SL_2
529	$(2,1)(4,1)(7,4)$	0	SL_2
530	$(2,1)(4,1)(7,5)$	0	SL_2
531	$(2,1)(4,1)(8,3)$	0	SL_2
532	$(2,1)(4,1)(8,5)$	0	SL_2
533	$(2,1)(4,1)(9,2)$	-1	SL_2
534	$(2,1)(4,1)(9,4)$	-1	SL_2
535	$(2,1)(4,1)(9,5)$	-1	SL_2
536	$(2,1)(4,1)(9,7)$	-1	SL_2
537	$(2,1)(4,1)(10,3)$	-1	SL_2
538	$(2,1)(4,1)(10,7)$	-1	SL_2
539	$(2,1)(4,1)(11,3)$	-1	SL_2
540	$(2,1)(4,1)(11,4)$	-1	SL_2
541	$(2,1)(4,1)(11,7)$	-1	SL_2
542	$(2,1)(4,1)(11,8)$	-1	SL_2
543	$(2,1)(4,1)(12,5)$	-1	SL_2
544	$(2,1)(4,1)(12,7)$	-1	SL_2
545	$(2,1)(4,1)(13,5)$	-1	SL_2
546	$(2,1)(4,1)(13,8)$	-1	SL_2
547	$(2,1)(4,3)(4,3)$	1	Nil
548	$(2,1)(4,3)(5,1)$	0	SL_2
549	$(2,1)(4,3)(5,2)$	1	SL_2
550	$(2,1)(4,3)(5,3)$	1	SL_2
551	$(2,1)(4,3)(5,4)$	0	SL_2
552	$(2,1)(4,3)(6,1)$	-1	SL_2

N	fibers	b	geometry
553	$(2,1)(4,3)(6,5)$	-1	SL_2
554	$(2,1)(4,3)(7,2)$	0	SL_2
555	$(2,1)(4,3)(7,3)$	0	SL_2
556	$(2,1)(4,3)(7,4)$	0	SL_2
557	$(2,1)(4,3)(7,5)$	0	SL_2
558	$(2,1)(4,3)(8,3)$	0	SL_2
559	$(2,1)(4,3)(8,5)$	0	SL_2
560	$(2,1)(4,3)(9,2)$	-1	SL_2
561	$(2,1)(4,3)(9,4)$	-1	SL_2
562	$(2,1)(4,3)(9,5)$	-1	SL_2
563	$(2,1)(4,3)(9,7)$	-1	SL_2
564	$(2,1)(4,3)(10,3)$	-1	SL_2
565	$(2,1)(4,3)(10,7)$	-1	SL_2
566	$(2,1)(4,3)(11,3)$	-1	SL_2
567	$(2,1)(4,3)(11,4)$	-1	SL_2
568	$(2,1)(4,3)(11,7)$	-1	SL_2
569	$(2,1)(4,3)(11,8)$	-1	SL_2
570	$(2,1)(4,3)(12,5)$	-1	SL_2
571	$(2,1)(4,3)(12,7)$	-1	SL_2
572	$(2,1)(4,3)(13,5)$	-1	SL_2
573	$(2,1)(4,3)(13,8)$	-1	SL_2
574	$(2,1)(5,1)(5,2)$	0	SL_2
575	$(2,1)(5,1)(5,3)$	0	SL_2
576	$(2,1)(5,1)(5,4)$	-1	SL_2
577	$(2,1)(5,1)(7,2)$	-1	SL_2
578	$(2,1)(5,1)(7,3)$	-1	SL_2
579	$(2,1)(5,1)(7,4)$	-1	SL_2
580	$(2,1)(5,1)(7,5)$	-1	SL_2
581	$(2,1)(5,1)(8,3)$	-1	SL_2
582	$(2,1)(5,1)(8,5)$	-1	SL_2
583	$(2,1)(5,2)(5,2)$	1	SL_2
584	$(2,1)(5,2)(5,3)$	1	SL_2
585	$(2,1)(5,2)(5,4)$	0	SL_2
586	$(2,1)(5,2)(6,1)$	-1	SL_2
587	$(2,1)(5,2)(6,5)$	-1	SL_2

N	fibers	b	geometry
588	$(2,1)(5,2)(7,2)$	0	SL_2
589	$(2,1)(5,2)(7,3)$	0	SL_2
590	$(2,1)(5,2)(7,4)$	0	SL_2
591	$(2,1)(5,2)(7,5)$	0	SL_2
592	$(2,1)(5,2)(8,3)$	0	SL_2
593	$(2,1)(5,2)(8,5)$	0	SL_2
594	$(2,1)(5,2)(9,2)$	-1	SL_2
595	$(2,1)(5,2)(9,4)$	-1	SL_2
596	$(2,1)(5,2)(9,5)$	-1	SL_2
597	$(2,1)(5,2)(9,7)$	-1	SL_2
598	$(2,1)(5,2)(10,3)$	-1	SL_2
599	$(2,1)(5,2)(10,7)$	-1	SL_2
600	$(2,1)(5,2)(11,3)$	-1	SL_2
601	$(2,1)(5,2)(11,4)$	-1	SL_2
602	$(2,1)(5,2)(11,7)$	-1	SL_2
603	$(2,1)(5,2)(11,8)$	-1	SL_2
604	$(2,1)(5,2)(12,5)$	-1	SL_2
605	$(2,1)(5,2)(12,7)$	-1	SL_2
606	$(2,1)(5,2)(13,5)$	-1	SL_2
607	$(2,1)(5,2)(13,8)$	-1	SL_2
608	$(2,1)(5,3)(5,3)$	1	SL_2
609	$(2,1)(5,3)(5,4)$	0	SL_2
610	$(2,1)(5,3)(6,1)$	-1	SL_2
611	$(2,1)(5,3)(6,5)$	-1	SL_2
612	$(2,1)(5,3)(7,2)$	0	SL_2
613	$(2,1)(5,3)(7,3)$	0	SL_2
614	$(2,1)(5,3)(7,4)$	0	SL_2
615	$(2,1)(5,3)(7,5)$	0	SL_2
616	$(2,1)(5,3)(8,3)$	0	SL_2
617	$(2,1)(5,3)(8,5)$	0	SL_2
618	$(2,1)(5,3)(9,2)$	-1	SL_2
619	$(2,1)(5,3)(9,4)$	-1	SL_2
620	$(2,1)(5,3)(9,5)$	-1	SL_2
621	$(2,1)(5,3)(9,7)$	-1	SL_2
622	$(2,1)(5,3)(10,3)$	-1	SL_2

N	fibers	b	geometry
623	$(2,1)(5,3)(10,7)$	-1	SL_2
624	$(2,1)(5,3)(11,3)$	-1	SL_2
625	$(2,1)(5,3)(11,4)$	-1	SL_2
626	$(2,1)(5,3)(11,7)$	-1	SL_2
627	$(2,1)(5,3)(11,8)$	-1	SL_2
628	$(2,1)(5,3)(12,5)$	-1	SL_2
629	$(2,1)(5,3)(12,7)$	-1	SL_2
630	$(2,1)(5,3)(13,5)$	-1	SL_2
631	$(2,1)(5,3)(13,8)$	-1	SL_2
632	$(2,1)(5,4)(5,4)$	-1	SL_2
633	$(2,1)(5,4)(7,2)$	-1	SL_2
634	$(2,1)(5,4)(7,3)$	-1	SL_2
635	$(2,1)(5,4)(7,4)$	-1	SL_2
636	$(2,1)(5,4)(7,5)$	-1	SL_2
637	$(2,1)(5,4)(8,3)$	-1	SL_2
638	$(2,1)(5,4)(8,5)$	-1	SL_2
639	$(2,1)(7,2)(7,2)$	-1	SL_2
640	$(2,1)(7,2)(7,3)$	-1	SL_2
641	$(2,1)(7,2)(7,4)$	-1	SL_2
642	$(2,1)(7,2)(7,5)$	-1	SL_2
643	$(2,1)(7,2)(8,3)$	-1	SL_2
644	$(2,1)(7,2)(8,5)$	-1	SL_2
645	$(2,1)(7,3)(7,3)$	-1	SL_2
646	$(2,1)(7,3)(7,4)$	-1	SL_2
647	$(2,1)(7,3)(7,5)$	-1	SL_2
648	$(2,1)(7,3)(8,3)$	-1	SL_2
649	$(2,1)(7,3)(8,5)$	-1	SL_2
650	$(2,1)(7,4)(7,4)$	-1	SL_2
651	$(2,1)(7,4)(7,5)$	-1	SL_2
652	$(2,1)(7,4)(8,3)$	-1	SL_2
653	$(2,1)(7,4)(8,5)$	-1	SL_2
654	$(2,1)(7,5)(7,5)$	-1	SL_2
655	$(2,1)(7,5)(8,3)$	-1	SL_2
656	$(2,1)(7,5)(8,5)$	-1	SL_2
657	$(2,1)(8,3)(8,3)$	-1	SL_2

N	fibers	b	geometry
658	$(2,1)(8,3)(8,5)$	-1	SL_2
659	$(2,1)(8,5)(8,5)$	-1	SL_2
660	$(3,1)(3,1)(3,1)$	2	Nil
661	$(3,1)(3,1)(3,2)$	2	Nil
662	$(3,1)(3,1)(4,1)$	1	SL_2
663	$(3,1)(3,1)(4,3)$	1	SL_2
664	$(3,1)(3,1)(5,1)$	0	SL_2
665	$(3,1)(3,1)(5,2)$	1	SL_2
666	$(3,1)(3,1)(5,3)$	1	SL_2
667	$(3,1)(3,1)(5,4)$	0	SL_2
668	$(3,1)(3,1)(6,1)$	-1	SL_2
669	$(3,1)(3,1)(6,5)$	-1	SL_2
670	$(3,1)(3,1)(7,2)$	0	SL_2
671	$(3,1)(3,1)(7,3)$	0	SL_2
672	$(3,1)(3,1)(7,4)$	0	SL_2
673	$(3,1)(3,1)(7,5)$	0	SL_2
674	$(3,1)(3,1)(8,3)$	0	SL_2
675	$(3,1)(3,1)(8,5)$	0	SL_2
676	$(3,1)(3,1)(9,2)$	-1	SL_2
677	$(3,1)(3,1)(9,4)$	-1	SL_2
678	$(3,1)(3,1)(9,5)$	-1	SL_2
679	$(3,1)(3,1)(9,7)$	-1	SL_2
680	$(3,1)(3,1)(10,3)$	-1	SL_2
681	$(3,1)(3,1)(10,7)$	-1	SL_2
682	$(3,1)(3,1)(11,3)$	-1	SL_2
683	$(3,1)(3,1)(11,4)$	-1	SL_2
684	$(3,1)(3,1)(11,7)$	-1	SL_2
685	$(3,1)(3,1)(11,8)$	-1	SL_2
686	$(3,1)(3,1)(12,5)$	-1	SL_2
687	$(3,1)(3,1)(12,7)$	-1	SL_2
688	$(3,1)(3,1)(13,5)$	-1	SL_2
689	$(3,1)(3,1)(13,8)$	-1	SL_2
690	$(3,1)(3,2)(3,2)$	2	Nil
691	$(3,1)(3,2)(4,1)$	1	SL_2
692	$(3,1)(3,2)(4,3)$	1	SL_2

N	fibers	b	geometry
693	$(3,1)(3,2)(5,1)$	0	SL_2
694	$(3,1)(3,2)(5,2)$	1	SL_2
695	$(3,1)(3,2)(5,3)$	1	SL_2
696	$(3,1)(3,2)(5,4)$	0	SL_2
697	$(3,1)(3,2)(6,1)$	-1	SL_2
698	$(3,1)(3,2)(6,5)$	-1	SL_2
699	$(3,1)(3,2)(7,2)$	0	SL_2
700	$(3,1)(3,2)(7,3)$	0	SL_2
701	$(3,1)(3,2)(7,4)$	0	SL_2
702	$(3,1)(3,2)(7,5)$	0	SL_2
703	$(3,1)(3,2)(8,3)$	0	SL_2
704	$(3,1)(3,2)(8,5)$	0	SL_2
705	$(3,1)(3,2)(9,2)$	-1	SL_2
706	$(3,1)(3,2)(9,4)$	-1	SL_2
707	$(3,1)(3,2)(9,5)$	-1	SL_2
708	$(3,1)(3,2)(9,7)$	-1	SL_2
709	$(3,1)(3,2)(10,3)$	-1	SL_2
710	$(3,1)(3,2)(10,7)$	-1	SL_2
711	$(3,1)(3,2)(11,3)$	-1	SL_2
712	$(3,1)(3,2)(11,4)$	-1	SL_2
713	$(3,1)(3,2)(11,7)$	-1	SL_2
714	$(3,1)(3,2)(11,8)$	-1	SL_2
715	$(3,1)(3,2)(12,5)$	-1	SL_2
716	$(3,1)(3,2)(12,7)$	-1	SL_2
717	$(3,1)(3,2)(13,5)$	-1	SL_2
718	$(3,1)(3,2)(13,8)$	-1	SL_2
719	$(3,1)(4,1)(4,1)$	0	SL_2
720	$(3,1)(4,1)(4,3)$	0	SL_2
721	$(3,1)(4,1)(5,1)$	-1	SL_2
722	$(3,1)(4,1)(5,2)$	0	SL_2
723	$(3,1)(4,1)(5,3)$	0	SL_2
724	$(3,1)(4,1)(5,4)$	-1	SL_2
725	$(3,1)(4,1)(7,2)$	-1	SL_2
726	$(3,1)(4,1)(7,3)$	-1	SL_2
727	$(3,1)(4,1)(7,4)$	-1	SL_2

N	fibers	b	geometry
728	$(3,1)(4,1)(7,5)$	-1	SL_2
729	$(3,1)(4,1)(8,3)$	-1	SL_2
730	$(3,1)(4,1)(8,5)$	-1	SL_2
731	$(3,1)(4,3)(4,3)$	0	SL_2
732	$(3,1)(4,3)(5,1)$	-1	SL_2
733	$(3,1)(4,3)(5,2)$	0	SL_2
734	$(3,1)(4,3)(5,3)$	0	SL_2
735	$(3,1)(4,3)(5,4)$	-1	SL_2
736	$(3,1)(4,3)(7,2)$	-1	SL_2
737	$(3,1)(4,3)(7,3)$	-1	SL_2
738	$(3,1)(4,3)(7,4)$	-1	SL_2
739	$(3,1)(4,3)(7,5)$	-1	SL_2
740	$(3,1)(4,3)(8,3)$	-1	SL_2
741	$(3,1)(4,3)(8,5)$	-1	SL_2
742	$(3,1)(5,1)(5,2)$	-1	SL_2
743	$(3,1)(5,1)(5,3)$	-1	SL_2
744	$(3,1)(5,2)(5,2)$	0	SL_2
745	$(3,1)(5,2)(5,3)$	0	SL_2
746	$(3,1)(5,2)(5,4)$	-1	SL_2
747	$(3,1)(5,2)(7,2)$	-1	SL_2
748	$(3,1)(5,2)(7,3)$	-1	SL_2
749	$(3,1)(5,2)(7,4)$	-1	SL_2
750	$(3,1)(5,2)(7,5)$	-1	SL_2
751	$(3,1)(5,2)(8,3)$	-1	SL_2
752	$(3,1)(5,2)(8,5)$	-1	SL_2
753	$(3,1)(5,3)(5,3)$	0	SL_2
754	$(3,1)(5,3)(5,4)$	-1	SL_2
755	$(3,1)(5,3)(7,2)$	-1	SL_2
756	$(3,1)(5,3)(7,3)$	-1	SL_2
757	$(3,1)(5,3)(7,4)$	-1	SL_2
758	$(3,1)(5,3)(7,5)$	-1	SL_2
759	$(3,1)(5,3)(8,3)$	-1	SL_2
760	$(3,1)(5,3)(8,5)$	-1	SL_2
761	$(3,2)(3,2)(3,2)$	2	Nil
762	$(3,2)(3,2)(4,1)$	1	SL_2

N	fibers	b	geometry
763	$(3,2)(3,2)(4,3)$	1	SL_2
764	$(3,2)(3,2)(5,1)$	0	SL_2
765	$(3,2)(3,2)(5,2)$	1	SL_2
766	$(3,2)(3,2)(5,3)$	1	SL_2
767	$(3,2)(3,2)(5,4)$	0	SL_2
768	$(3,2)(3,2)(6,1)$	-1	SL_2
769	$(3,2)(3,2)(6,5)$	-1	SL_2
770	$(3,2)(3,2)(7,2)$	0	SL_2
771	$(3,2)(3,2)(7,3)$	0	SL_2
772	$(3,2)(3,2)(7,4)$	0	SL_2
773	$(3,2)(3,2)(7,5)$	0	SL_2
774	$(3,2)(3,2)(8,3)$	0	SL_2
775	$(3,2)(3,2)(8,5)$	0	SL_2
776	$(3,2)(3,2)(9,2)$	-1	SL_2
777	$(3,2)(3,2)(9,4)$	-1	SL_2
778	$(3,2)(3,2)(9,5)$	-1	SL_2
779	$(3,2)(3,2)(9,7)$	-1	SL_2
780	$(3,2)(3,2)(10,3)$	-1	SL_2
781	$(3,2)(3,2)(10,7)$	-1	SL_2
782	$(3,2)(3,2)(11,3)$	-1	SL_2
783	$(3,2)(3,2)(11,4)$	-1	SL_2
784	$(3,2)(3,2)(11,7)$	-1	SL_2
785	$(3,2)(3,2)(11,8)$	-1	SL_2
786	$(3,2)(3,2)(12,5)$	-1	SL_2
787	$(3,2)(3,2)(12,7)$	-1	SL_2
788	$(3,2)(3,2)(13,5)$	-1	SL_2
789	$(3,2)(3,2)(13,8)$	-1	SL_2
790	$(3,2)(4,1)(4,1)$	0	SL_2
791	$(3,2)(4,1)(4,3)$	0	SL_2
792	$(3,2)(4,1)(5,1)$	-1	SL_2
793	$(3,2)(4,1)(5,2)$	0	SL_2
794	$(3,2)(4,1)(5,3)$	0	SL_2
795	$(3,2)(4,1)(5,4)$	-1	SL_2
796	$(3,2)(4,1)(7,2)$	-1	SL_2
797	$(3,2)(4,1)(7,3)$	-1	SL_2

N	fibers	b	geometry
798	$(3,2)(4,1)(7,4)$	-1	SL_2
799	$(3,2)(4,1)(7,5)$	-1	SL_2
800	$(3,2)(4,1)(8,3)$	-1	SL_2
801	$(3,2)(4,1)(8,5)$	-1	SL_2
802	$(3,2)(4,3)(4,3)$	0	SL_2
803	$(3,2)(4,3)(5,1)$	-1	SL_2
804	$(3,2)(4,3)(5,2)$	0	SL_2
805	$(3,2)(4,3)(5,3)$	0	SL_2
806	$(3,2)(4,3)(5,4)$	-1	SL_2
807	$(3,2)(4,3)(7,2)$	-1	SL_2
808	$(3,2)(4,3)(7,3)$	-1	SL_2
809	$(3,2)(4,3)(7,4)$	-1	SL_2
810	$(3,2)(4,3)(7,5)$	-1	SL_2
811	$(3,2)(4,3)(8,3)$	-1	SL_2
812	$(3,2)(4,3)(8,5)$	-1	SL_2
813	$(3,2)(5,1)(5,2)$	-1	SL_2
814	$(3,2)(5,1)(5,3)$	-1	SL_2
815	$(3,2)(5,2)(5,2)$	0	SL_2
816	$(3,2)(5,2)(5,3)$	0	SL_2
817	$(3,2)(5,2)(5,4)$	-1	SL_2
818	$(3,2)(5,2)(7,2)$	-1	SL_2
819	$(3,2)(5,2)(7,3)$	-1	SL_2
820	$(3,2)(5,2)(7,4)$	-1	SL_2
821	$(3,2)(5,2)(7,5)$	-1	SL_2
822	$(3,2)(5,2)(8,3)$	-1	SL_2
823	$(3,2)(5,2)(8,5)$	-1	SL_2
824	$(3,2)(5,3)(5,3)$	0	SL_2
825	$(3,2)(5,3)(5,4)$	-1	SL_2
826	$(3,2)(5,3)(7,2)$	-1	SL_2
827	$(3,2)(5,3)(7,3)$	-1	SL_2
828	$(3,2)(5,3)(7,4)$	-1	SL_2
829	$(3,2)(5,3)(7,5)$	-1	SL_2
830	$(3,2)(5,3)(8,3)$	-1	SL_2
831	$(3,2)(5,3)(8,5)$	-1	SL_2
832	$(4,1)(4,1)(4,1)$	-1	SL_2

N	fibers	b	geometry
833	$(4,1)(4,1)(4,3)$	-1	SL_2
834	$(4,1)(4,1)(5,2)$	-1	SL_2
835	$(4,1)(4,1)(5,3)$	-1	SL_2
836	$(4,1)(4,3)(4,3)$	-1	SL_2
837	$(4,1)(4,3)(5,2)$	-1	SL_2
838	$(4,1)(4,3)(5,3)$	-1	SL_2
839	$(4,1)(5,2)(5,2)$	-1	SL_2
840	$(4,1)(5,2)(5,3)$	-1	SL_2
841	$(4,1)(5,3)(5,3)$	-1	SL_2
842	$(4,3)(4,3)(4,3)$	-1	SL_2
843	$(4,3)(4,3)(5,2)$	-1	SL_2
844	$(4,3)(4,3)(5,3)$	-1	SL_2
845	$(4,3)(5,2)(5,2)$	-1	SL_2
846	$(4,3)(5,2)(5,3)$	-1	SL_2
847	$(4,3)(5,3)(5,3)$	-1	SL_2
848	$(5,2)(5,2)(5,2)$	-1	SL_2
849	$(5,2)(5,2)(5,3)$	-1	SL_2
850	$(5,2)(5,3)(5,3)$	-1	SL_2
851	$(5,3)(5,3)(5,3)$	-1	SL_2
852	$(2,1)(2,1)(2,1)(2,1)$	2	Nil
853	$(2,1)(2,1)(2,1)(3,1)$	1	SL_2
854	$(2,1)(2,1)(2,1)(3,2)$	1	SL_2
855	$(2,1)(2,1)(2,1)(4,1)$	0	SL_2
856	$(2,1)(2,1)(2,1)(4,3)$	0	SL_2
857	$(2,1)(2,1)(2,1)(5,1)$	-2	SL_2
858	$(2,1)(2,1)(2,1)(5,1)$	-1	SL_2
859	$(2,1)(2,1)(2,1)(5,2)$	0	SL_2
860	$(2,1)(2,1)(2,1)(5,3)$	0	SL_2
861	$(2,1)(2,1)(2,1)(5,4)$	-1	SL_2
862	$(2,1)(2,1)(2,1)(7,2)$	-2	SL_2
863	$(2,1)(2,1)(2,1)(7,2)$	-1	SL_2
864	$(2,1)(2,1)(2,1)(7,3)$	-2	SL_2
865	$(2,1)(2,1)(2,1)(7,3)$	-1	SL_2
866	$(2,1)(2,1)(2,1)(7,4)$	-1	SL_2
867	$(2,1)(2,1)(2,1)(7,5)$	-1	SL_2
868	$(2,1)(2,1)(2,1)(8,3)$	-2	SL_2
869	$(2,1)(2,1)(2,1)(8,3)$	-1	SL_2
870	$(2,1)(2,1)(2,1)(8,5)$	-1	SL_2
871	$(2,1)(2,1)(3,1)(3,1)$	0	SL_2
872	$(2,1)(2,1)(3,1)(3,2)$	0	SL_2
873	$(2,1)(2,1)(3,1)(4,1)$	-2	SL_2
874	$(2,1)(2,1)(3,1)(4,1)$	-1	SL_2
875	$(2,1)(2,1)(3,1)(4,3)$	-2	SL_2
876	$(2,1)(2,1)(3,1)(4,3)$	-1	SL_2
877	$(2,1)(2,1)(3,1)(5,2)$	-2	SL_2
878	$(2,1)(2,1)(3,1)(5,2)$	-1	SL_2
879	$(2,1)(2,1)(3,1)(5,3)$	-2	SL_2
880	$(2,1)(2,1)(3,1)(5,3)$	-1	SL_2
881	$(2,1)(2,1)(3,2)(3,2)$	0	SL_2
882	$(2,1)(2,1)(3,2)(4,1)$	-1	SL_2
883	$(2,1)(2,1)(3,2)(4,3)$	-1	SL_2
884	$(2,1)(2,1)(3,2)(5,2)$	-1	SL_2

N	fibers	b	geometry
887	$(2,1)(3,1)(3,1)(3,1)$	-1	SL_2
888	$(2,1)(3,1)(3,1)(3,2)$	-2	SL_2
889	$(2,1)(3,1)(3,1)(3,2)$	-1	SL_2
890	$(2,1)(3,1)(3,2)(3,2)$	-1	SL_2
891	$(2,1)(3,2)(3,2)(3,2)$	-1	SL_2
892	$(2,1)(2,1)(2,1)(2,1)(2,1)$	-2	SL_2
893	$(2,1)(2,1)(2,1)(2,1)(2,1)$	-1	SL_2

Seifert spaces over $\mathbb{P}^2$:

N	fibers	b	geometry
894	$(2,1)(2,1)$	3	Nil
895	$(2,1)(3,1)$	2	SL_2
896	$(2,1)(3,2)$	2	SL_2
897	$(2,1)(4,1)$	1	SL_2
898	$(2,1)(4,3)$	1	SL_2
899	$(2,1)(5,1)$	-1	SL_2
900	$(2,1)(5,1)$	0	SL_2
901	$(2,1)(5,2)$	1	SL_2
902	$(2,1)(5,3)$	1	SL_2
903	$(2,1)(5,4)$	0	SL_2
904	$(2,1)(7,2)$	-1	SL_2
905	$(2,1)(7,2)$	0	SL_2
906	$(2,1)(7,3)$	-1	SL_2
907	$(2,1)(7,3)$	0	SL_2
908	$(2,1)(7,4)$	0	SL_2
909	$(2,1)(7,5)$	0	SL_2
910	$(2,1)(8,3)$	-1	SL_2
911	$(2,1)(8,3)$	0	SL_2
912	$(2,1)(8,5)$	0	SL_2
913	$(3,1)(3,1)$	1	SL_2
914	$(3,1)(3,2)$	1	SL_2
915	$(3,1)(4,1)$	-1	SL_2
916	$(3,1)(4,1)$	0	SL_2
917	$(3,1)(4,3)$	-1	SL_2
918	$(3,1)(4,3)$	0	SL_2
919	$(3,1)(5,2)$	-1	SL_2
920	$(3,1)(5,2)$	0	SL_2
921	$(3,1)(5,3)$	-1	SL_2
922	$(3,1)(5,3)$	0	SL_2
923	$(3,2)(3,2)$	1	SL_2
924	$(3,2)(4,1)$	0	SL_2
925	$(3,2)(4,3)$	0	SL_2
926	$(3,2)(5,2)$	0	SL_2
927	$(3,2)(5,3)$	0	SL_2
928	$(2,1)(2,1)(2,1)$	-1	SL_2
929	$(2,1)(2,1)(2,1)$	0	SL_2

Seifert spaces over the Klein bottle:

N	fibers	b	geometry
930		4	Nil
931	$(2,1)$	0	SL_2
932	$(2,1)$	1	SL_2

Seifert spaces over the torus:

N	fibers	b	geometry
933		4	Nil
934	$(2,1)$	0	SL_2
935	$(2,1)$	1	SL_2

$C_{i,j}$ **(Seifert with base space S^2):**

N	fibers	b	geometry
936	$(2,1)(5,1)(6,1)$	-1	SL_2
937	$(2,1)(4,1)(7,1)$	-1	SL_2
938	$(2,1)(2,1)(9,1)$	-1	other elliptic

E_k **(Seifert with base space S^2):**

N	fibers	b	geometry
939	$(2,1)(3,1)(9,1)$	-1	SL_2

Using B_5 (Seifert with base space S^2):

N	fibers	b	geometry
940	$(2,1)(3,1)(13,2)$	-1	SL_2
941	$(2,1)(3,1)(16,3)$	-1	SL_2
942	$(2,1)(3,1)(17,3)$	-1	SL_2

Sol:

$$943 : T_{\left(\begin{smallmatrix}1 & 3\\ 1 & 4\end{smallmatrix}\right)} \qquad 944 : T_{\left(\begin{smallmatrix}-1 & -3\\ -1 & -4\end{smallmatrix}\right)}$$

$$945 : T_{\left(\begin{smallmatrix}1 & 2\\ 2 & 5\end{smallmatrix}\right)} \qquad 946 : T_{\left(\begin{smallmatrix}-1 & -2\\ -2 & -5\end{smallmatrix}\right)}$$

$$947 : T_{\left(\begin{smallmatrix}2 & 3\\ 3 & 5\end{smallmatrix}\right)} \qquad 948 : T_{\left(\begin{smallmatrix}-2 & -3\\ -3 & -5\end{smallmatrix}\right)}$$

N	fibers	matrix	fibers
949	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 4\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(2,1)$
950	$(2,1)(2,1)$	$\left(\begin{smallmatrix}3 & 4\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(2,1)$
951	$(2,1)(2,1)$	$\left(\begin{smallmatrix}3 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(2,1)$
952	$(2,1)(2,1)$	$\left(\begin{smallmatrix}3 & 5\\ -1 & -2\end{smallmatrix}\right)$	$(2,1)(2,1)$
953	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & 5\\ -1 & -2\end{smallmatrix}\right)$	$(2,1)(2,1)$
954	$(2,1)(2,1)$	$\left(\begin{smallmatrix}3 & -2\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(2,1)$
955	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & -3\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(2,1)$
956	$(2,1)(2,1)$	$\left(\begin{smallmatrix}3 & 5\\ -2 & -3\end{smallmatrix}\right)$	$(2,1)(2,1)$
957	$(2,1)(2,1)$	$\left(\begin{smallmatrix}3 & -2\\ -2 & 1\end{smallmatrix}\right)$	$(2,1)(2,1)$
958	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 2 & -1\end{smallmatrix}\right)$	$(2,1)(2,1)$
959	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & 3\\ 1 & 2\end{smallmatrix}\right)$	$(2,1)(2,1)$
960	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -2\\ 1 & -1\end{smallmatrix}\right)$	$(2,1)(2,1)$
961	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & -1\\ 1 & -1\end{smallmatrix}\right)$	$(2,1)(2,1)$
962	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & 3\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(2,1)$
963	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 3\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(2,1)$
964	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & -1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(2,1)$
965	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -2\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(2,1)$

Non-geometric graph manifolds:

N	fibers	matrix	fibers
966	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 3\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(3,1)$
967	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & 3\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(3,1)$
968	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -2\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,1)$
969	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,1)$
970	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & 3\\ -1 & -2\end{smallmatrix}\right)$	$(2,1)(3,1)$
971	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 3\\ -1 & -2\end{smallmatrix}\right)$	$(2,1)(3,1)$
972	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & -1\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(3,1)$
973	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -2\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(3,1)$
974	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 2\end{smallmatrix}\right)$	$(2,1)(3,1)$
975	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(3,1)$
976	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(3,1)$
977	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,1)$
978	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(3,1)$
979	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(3,1)$
980	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 3\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(3,2)$
981	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & 3\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(3,2)$
982	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -2\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
983	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,2)$
984	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & 3\\ -1 & -2\end{smallmatrix}\right)$	$(2,1)(3,2)$
985	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 3\\ -1 & -2\end{smallmatrix}\right)$	$(2,1)(3,2)$
986	$(2,1)(2,1)$	$\left(\begin{smallmatrix}2 & -1\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
987	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -2\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
988	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 2\end{smallmatrix}\right)$	$(2,1)(3,2)$
989	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
990	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
991	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$

N	fibers	matrix	fibers
992	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(3,2)$
993	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(3,2)$
994	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(4,1)$
995	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(4,1)$
996	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(4,1)$
997	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,1)$
998	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(4,1)$
999	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,1)$
1000	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(4,3)$
1001	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(4,3)$
1002	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(4,3)$
1003	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,3)$
1004	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(4,3)$
1005	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,3)$
1006	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(5,1)$
1007	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(5,1)$
1008	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(5,2)$
1009	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(5,2)$
1010	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(5,2)$
1011	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(5,2)$
1012	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(5,2)$
1013	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(5,2)$
1014	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(5,3)$
1015	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(5,3)$
1016	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(5,3)$
1017	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(5,3)$

N	fibers	matrix	fibers
1018	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(5,3)$
1019	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(5,3)$
1020	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(5,4)$
1021	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(5,4)$
1022	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(7,2)$
1023	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(7,2)$
1024	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(7,3)$
1025	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(7,3)$
1026	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(7,4)$
1027	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(7,4)$
1028	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(7,5)$
1029	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(7,5)$
1030	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(8,3)$
1031	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(8,3)$
1032	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(8,5)$
1033	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(8,5)$
1034	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(3,1)(3,1)$
1035	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(3,1)(3,1)$
1036	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & 1\end{smallmatrix}\right)$	$(3,1)(3,1)$
1037	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(3,1)(3,1)$
1038	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 1\end{smallmatrix}\right)$	$(3,1)(3,1)$
1039	$(2,1)(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(3,1)(3,1)$
1040	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(3,1)(3,2)$
1041	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(3,1)(3,2)$
1042	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & 1\end{smallmatrix}\right)$	$(3,1)(3,2)$
1043	$(2,1)(2,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(3,1)(3,2)$

N	fibers	matrix	fibers
1044	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 1 \end{smallmatrix}\right)$	$(3,1)(3,2)$
1045	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(3,1)(3,2)$
1046	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,1)(4,1)$
1047	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,1)(4,1)$
1048	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,1)(4,3)$
1049	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,1)(4,3)$
1050	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,1)(5,2)$
1051	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,1)(5,2)$
1052	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,1)(5,3)$
1053	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,1)(5,3)$
1054	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 1 & 2 \\ 0 & -1 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1055	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 1 & 2 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1056	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 1 & -1 \\ 0 & 1 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1057	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 1 & -1 \\ -1 & 0 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1058	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 1 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1059	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1060	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,2)(4,1)$
1061	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,2)(4,1)$
1062	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,2)(4,3)$
1063	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,2)(4,3)$
1064	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,2)(5,2)$
1065	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,2)(5,2)$
1066	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,2)(5,3)$
1067	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,2)(5,3)$
1068	$(2,1)(3,1)$	$\left(\begin{smallmatrix} 1 & 2 \\ 0 & -1 \end{smallmatrix}\right)$	$(2,1)(3,1)$
1069	$(2,1)(3,1)$	$\left(\begin{smallmatrix} 1 & 2 \\ -1 & -1 \end{smallmatrix}\right)$	$(2,1)(3,1)$

N	fibers	matrix	fibers
1070	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,1)$
1071	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,1)$
1072	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,1)$
1073	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1074	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1075	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & -1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1076	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,2)$
1077	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1078	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1079	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,2)$
1080	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(4,1)$
1081	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(4,1)$
1082	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(4,1)$
1083	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,1)$
1084	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(4,3)$
1085	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(4,3)$
1086	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(4,3)$
1087	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,3)$
1088	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(5,2)$
1089	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(5,2)$
1090	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(5,2)$
1091	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(5,2)$
1092	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(5,3)$
1093	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(5,3)$
1094	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(5,3)$
1095	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(5,3)$

N	fibers	matrix	fibers
1096	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$	$(3,1)(3,1)$
1097	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(3,1)(3,1)$
1098	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(3,1)(3,1)$
1099	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(3,1)(3,1)$
1100	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$	$(3,1)(3,2)$
1101	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(3,1)(3,2)$
1102	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(3,1)(3,2)$
1103	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(3,1)(3,2)$
1104	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$	$(3,2)(3,2)$
1105	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(3,2)(3,2)$
1106	$(2,1)(3,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(3,2)(3,2)$
1107	$(2,1)(3,1)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(3,2)(3,2)$
1108	$(2,1)(3,2)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1109	$(2,1)(3,2)$	$\left(\begin{smallmatrix}1 & 2\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1110	$(2,1)(3,2)$	$\left(\begin{smallmatrix}1 & -1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,2)$
1111	$(2,1)(3,2)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & 1\end{smallmatrix}\right)$	$(2,1)(3,2)$
1112	$(2,1)(3,2)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(3,2)$
1113	$(2,1)(3,2)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(4,1)$
1114	$(2,1)(3,2)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(4,1)$
1115	$(2,1)(3,2)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,1)$
1116	$(2,1)(3,2)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(4,3)$
1117	$(2,1)(3,2)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(4,3)$
1118	$(2,1)(3,2)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(4,3)$
1119	$(2,1)(3,2)$	$\left(\begin{smallmatrix}0 & 1\\ -1 & -1\end{smallmatrix}\right)$	$(2,1)(5,2)$
1120	$(2,1)(3,2)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$	$(2,1)(5,2)$
1121	$(2,1)(3,2)$	$\left(\begin{smallmatrix}1 & 1\\ -1 & 0\end{smallmatrix}\right)$	$(2,1)(5,2)$

N	fibers	matrix	fibers
1122	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(2,1)(5,3)$
1123	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(2,1)(5,3)$
1124	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 1 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(2,1)(5,3)$
1125	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,1)(3,1)$
1126	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,1)(3,1)$
1127	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 1 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(3,1)(3,1)$
1128	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,1)(3,2)$
1129	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,1)(3,2)$
1130	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 1 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(3,1)(3,2)$
1131	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1132	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(3,2)(3,2)$
1133	$(2,1)(3,2)$	$\left(\begin{smallmatrix} 1 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(3,2)(3,2)$

N	fibers	matrix	fibers over A	matrix	fibers
1134	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(2,1)$	$\left(\begin{smallmatrix} 1 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(2,1)(2,1)$
1135	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(2,1)(2,1)$
1136	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(2,1)$	$\left(\begin{smallmatrix} 1 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(2,1)(2,1)$

N	fibers	matrix	fibers
1137	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & -1 \end{smallmatrix}\right)$	$(2,1)(2,1)(2,1)$
1138	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(2,1)(2,1)(2,1)$
1139	$(2,1)(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & -1 \end{smallmatrix}\right)$	$(2,1)(2,1)(2,1)$

N	fibers over S	matrix	fibers
1140	$(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ 1 & 0 \end{smallmatrix}\right)$	$(2,1)(2,1)$
1141	$(2,1)$	$\left(\begin{smallmatrix} 0 & 1 \\ -1 & 0 \end{smallmatrix}\right)$	$(2,1)(2,1)$
1142	$(2,1)$	$\left(\begin{smallmatrix} 1 & -1 \\ -1 & 0 \end{smallmatrix}\right)$	$(2,1)(2,1)$

N	fibers over A	matrix
1143	$(2,1)$	$\left(\begin{smallmatrix}1 & 1\\ 0 & -1\end{smallmatrix}\right)$
1144	$(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 0\end{smallmatrix}\right)$
1145	$(2,1)$	$\left(\begin{smallmatrix}0 & -1\\ -1 & 0\end{smallmatrix}\right)$
1146	$(2,1)$	$\left(\begin{smallmatrix}1 & 2\\ 0 & -1\end{smallmatrix}\right)$
1147	$(2,1)$	$\left(\begin{smallmatrix}-1 & -2\\ 0 & 1\end{smallmatrix}\right)$
1148	$(2,1)$	$\left(\begin{smallmatrix}2 & 1\\ -1 & -1\end{smallmatrix}\right)$
1149	$(2,1)$	$\left(\begin{smallmatrix}-1 & -1\\ 1 & 2\end{smallmatrix}\right)$
1150	$(2,1)$	$\left(\begin{smallmatrix}0 & 1\\ 1 & 1\end{smallmatrix}\right)$

Hyperbolic manifolds:

N	surgery parameters	census	volume	shortest geod	homology
1151	$1, -4, -3/2$	1	0.942707362	0.5846	$\mathbb{Z}_5 + \mathbb{Z}_5$
1152	$1, -4, 2$	2	0.981368828	0.5780	$\mathbb{Z}_5$
1153	$1, -5, -1/2$	3	1.014941606	0.8314	$\mathbb{Z}_3 + \mathbb{Z}_6$
1154	$1, -3/2, -3/2$	4	1.263709238	0.5750	$\mathbb{Z}_5 + \mathbb{Z}_5$

Summarizing table:

lens	272
other elliptic	142
flat	0
Nil	15
$\mathbb{H}^2 \times S^1$	0
SL_2	513
Sol	23
other graph	185
hyperbolic	4
total	1154