

First 150 Eigenfunctions of the Graph Laplacian for $M = 4$ with Klein Bottle Horizontal Glued Identifications

SPUR 2016

August 1, 2016

Eigenvalues:

| | | |
|-----------------------|--------------------|--------------------|
| 0. -3.25607596441e-15 | 31. 0.126383196879 | 62. 0.261967036733 |
| 1. 0.0112916476013 | 32. 0.132554538824 | 63. 0.263652918098 |
| 2. 0.0173792448259 | 33. 0.147467628332 | 64. 0.264634868771 |
| 3. 0.0189779705353 | 34. 0.150733658413 | 65. 0.26566008973 |
| 4. 0.0193997120722 | 35. 0.152039330624 | 66. 0.267405515068 |
| 5. 0.0290511238127 | 36. 0.154944570823 | 67. 0.269682933538 |
| 6. 0.0384654367995 | 37. 0.156611158525 | 68. 0.276329410625 |
| 7. 0.0398038713218 | 38. 0.159960044072 | 69. 0.279448744981 |
| 8. 0.045338106632 | 39. 0.160836656167 | 70. 0.284319669413 |
| 9. 0.0507154074765 | 40. 0.168198090267 | 71. 0.284412317861 |
| 10. 0.0535802666705 | 41. 0.171986327867 | 72. 0.292072105914 |
| 11. 0.0543420271165 | 42. 0.176904932454 | 73. 0.296588120069 |
| 12. 0.0556620448041 | 43. 0.185282854095 | 74. 0.301033754412 |
| 13. 0.0576952360722 | 44. 0.188812966517 | 75. 0.306400062832 |
| 14. 0.0640320629183 | 45. 0.192991187122 | 76. 0.306446593851 |
| 15. 0.0675213169822 | 46. 0.195747720638 | 77. 0.307742595639 |
| 16. 0.0723637885836 | 47. 0.196484692075 | 78. 0.308833591057 |
| 17. 0.0795860574271 | 48. 0.201176586582 | 79. 0.319601099207 |
| 18. 0.0867029053647 | 49. 0.20178871371 | 80. 0.321130082776 |
| 19. 0.0903037935573 | 50. 0.210210854241 | 81. 0.323830269742 |
| 20. 0.0991027194382 | 51. 0.213493687654 | 82. 0.327100655919 |
| 21. 0.10248476484 | 52. 0.217367289967 | 83. 0.33977224876 |
| 22. 0.105066421263 | 53. 0.219215439077 | 84. 0.341523432253 |
| 23. 0.108499411589 | 54. 0.24209852939 | 85. 0.342717302086 |
| 24. 0.111747591177 | 55. 0.242236230966 | 86. 0.342985495142 |
| 25. 0.111949463442 | 56. 0.24452988236 | 87. 0.343167703271 |
| 26. 0.114269252451 | 57. 0.246575259377 | 88. 0.345561778362 |
| 27. 0.120415152323 | 58. 0.250041225824 | 89. 0.346340470289 |
| 28. 0.120835845842 | 59. 0.251922793123 | 90. 0.347231121227 |
| 29. 0.121964018819 | 60. 0.253083571173 | 91. 0.353812683075 |
| 30. 0.123382005025 | 61. 0.256959016923 | 92. 0.354048342202 |

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| 93. 0.356564951405 | 139. 0.486518947713 | 185. 0.640017817098 |
| 94. 0.35982328136 | 140. 0.493763734123 | 186. 0.646649343619 |
| 95. 0.36094345268 | 141. 0.502699310322 | 187. 0.649861371272 |
| 96. 0.363069130593 | 142. 0.503744232764 | 188. 0.651789460347 |
| 97. 0.366011269322 | 143. 0.506016022773 | 189. 0.654661651696 |
| 98. 0.366689848832 | 144. 0.50905537738 | 190. 0.656752391615 |
| 99. 0.372435279287 | 145. 0.515949245515 | 191. 0.658611975074 |
| 100. 0.374169309329 | 146. 0.520279020538 | 192. 0.659723508736 |
| 101. 0.375362564444 | 147. 0.523570130589 | 193. 0.667695359299 |
| 102. 0.376034379607 | 148. 0.523974333048 | 194. 0.669827074797 |
| 103. 0.379911733881 | 149. 0.52525690526 | 195. 0.675207482491 |
| 104. 0.385771307199 | 150. 0.532186495129 | 196. 0.676279303049 |
| 105. 0.38694519415 | 151. 0.533749808907 | 197. 0.677321798446 |
| 106. 0.391454730497 | 152. 0.538223073733 | 198. 0.686410783795 |
| 107. 0.401140968938 | 153. 0.539714833448 | 199. 0.690249642803 |
| 108. 0.406764368087 | 154. 0.542930732843 | 200. 0.690590970621 |
| 109. 0.413576616915 | 155. 0.54428188014 | 201. 0.692943415321 |
| 110. 0.415835233414 | 156. 0.545761571651 | 202. 0.694275729105 |
| 111. 0.418108417457 | 157. 0.554734294429 | 203. 0.696075912482 |
| 112. 0.421558342909 | 158. 0.559412634863 | 204. 0.702958588856 |
| 113. 0.422263594809 | 159. 0.559474853088 | 205. 0.703041750845 |
| 114. 0.424485651347 | 160. 0.566608348561 | 206. 0.705414263891 |
| 115. 0.424598126489 | 161. 0.574352989563 | 207. 0.706394324056 |
| 116. 0.424781064727 | 162. 0.575123270683 | 208. 0.712018452645 |
| 117. 0.426242105002 | 163. 0.576556187234 | 209. 0.712628490651 |
| 118. 0.427534148927 | 164. 0.582179587497 | 210. 0.719824292596 |
| 119. 0.428164067809 | 165. 0.585930468587 | 211. 0.720396703011 |
| 120. 0.430295985447 | 166. 0.586247839543 | 212. 0.722647333574 |
| 121. 0.433173815914 | 167. 0.592155828306 | 213. 0.728673782773 |
| 122. 0.433989092633 | 168. 0.593189055076 | 214. 0.731134207223 |
| 123. 0.43579789116 | 169. 0.59826941483 | 215. 0.733728502002 |
| 124. 0.435955028813 | 170. 0.604558870807 | 216. 0.735516148189 |
| 125. 0.436855013197 | 171. 0.604763154766 | 217. 0.736640979746 |
| 126. 0.437010079898 | 172. 0.609604624237 | 218. 0.740387190131 |
| 127. 0.437274949007 | 173. 0.61046804761 | 219. 0.742551657393 |
| 128. 0.4395989898592 | 174. 0.612910528402 | 220. 0.744158301902 |
| 129. 0.441021780966 | 175. 0.6175044653 | 221. 0.744436287151 |
| 130. 0.450139797986 | 176. 0.618365142058 | 222. 0.748448839625 |
| 131. 0.451845040429 | 177. 0.618446017204 | 223. 0.750493441814 |
| 132. 0.452107641792 | 178. 0.621884714184 | 224. 0.750641577713 |
| 133. 0.454962434841 | 179. 0.627405474698 | 225. 0.751765909558 |
| 134. 0.459185109326 | 180. 0.627865256715 | 226. 0.752291567604 |
| 135. 0.461654077441 | 181. 0.634713779167 | 227. 0.753119160284 |
| 136. 0.470058365443 | 182. 0.635066122632 | 228. 0.753919537216 |
| 137. 0.483721235103 | 183. 0.636029470348 | 229. 0.757328961658 |
| 138. 0.485214890001 | 184. 0.63674339478 | 230. 0.758799842469 |

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|---------------------|---------------------|--------------------|
| 231. 0.761542536668 | 277. 0.90117603915 | 323. 1.02597036789 |
| 232. 0.767557375792 | 278. 0.901278643212 | 324. 1.02794703361 |
| 233. 0.769300305864 | 279. 0.906540300911 | 325. 1.03131082998 |
| 234. 0.770905557583 | 280. 0.909263655565 | 326. 1.03413037992 |
| 235. 0.772274982529 | 281. 0.91078567418 | 327. 1.03649637939 |
| 236. 0.774989445353 | 282. 0.912746327842 | 328. 1.0387380428 |
| 237. 0.779240033129 | 283. 0.923127036593 | 329. 1.03938966293 |
| 238. 0.781351254826 | 284. 0.924911342175 | 330. 1.04554547279 |
| 239. 0.781895157974 | 285. 0.925262591756 | 331. 1.04620341896 |
| 240. 0.789326936717 | 286. 0.930266464259 | 332. 1.05002254152 |
| 241. 0.790446695802 | 287. 0.933032433593 | 333. 1.05148321831 |
| 242. 0.801941168977 | 288. 0.935363127592 | 334. 1.0519928102 |
| 243. 0.804756146872 | 289. 0.940325945568 | 335. 1.06074555907 |
| 244. 0.804877914898 | 290. 0.942261259482 | 336. 1.06081973596 |
| 245. 0.807610056775 | 291. 0.944572601929 | 337. 1.06288639465 |
| 246. 0.808025813021 | 292. 0.946535245111 | 338. 1.06474540982 |
| 247. 0.80944100266 | 293. 0.94876306565 | 339. 1.07116653671 |
| 248. 0.810304896091 | 294. 0.954488117718 | 340. 1.071901948 |
| 249. 0.812328239393 | 295. 0.95595931782 | 341. 1.07405765005 |
| 250. 0.816136745976 | 296. 0.956515010196 | 342. 1.07731961799 |
| 251. 0.819479757511 | 297. 0.958037128859 | 343. 1.08006960061 |
| 252. 0.829272221751 | 298. 0.960627459779 | 344. 1.08238497276 |
| 253. 0.832396952245 | 299. 0.960652969432 | 345. 1.08306633286 |
| 254. 0.838707196111 | 300. 0.96165242446 | 346. 1.09313661824 |
| 255. 0.839156461008 | 301. 0.961816363821 | 347. 1.09573377819 |
| 256. 0.840850344487 | 302. 0.97221557237 | 348. 1.09756078329 |
| 257. 0.844662075853 | 303. 0.975007706297 | 349. 1.09950121532 |
| 258. 0.847800276752 | 304. 0.977740186195 | 350. 1.11070977255 |
| 259. 0.854375237052 | 305. 0.977796090016 | 351. 1.11156159954 |
| 260. 0.858441721833 | 306. 0.978651701805 | 352. 1.1124473573 |
| 261. 0.860760560417 | 307. 0.979822878626 | 353. 1.1150548501 |
| 262. 0.865569557429 | 308. 0.983863713371 | 354. 1.11575176857 |
| 263. 0.86810497792 | 309. 0.98406591467 | 355. 1.12183616856 |
| 264. 0.868757727161 | 310. 0.985261229716 | 356. 1.12507512074 |
| 265. 0.875314755558 | 311. 0.987003677613 | 357. 1.12583614437 |
| 266. 0.877699667847 | 312. 0.99208843047 | 358. 1.12818477509 |
| 267. 0.879311786446 | 313. 0.996929421772 | 359. 1.13109455045 |
| 268. 0.882825674312 | 314. 0.997433437048 | 360. 1.13197876561 |
| 269. 0.886036104499 | 315. 1.00386345203 | 361. 1.13632883922 |
| 270. 0.887122773632 | 316. 1.00611476472 | 362. 1.13772589907 |
| 271. 0.888940333334 | 317. 1.00731151868 | 363. 1.1412414059 |
| 272. 0.889828078152 | 318. 1.01525106071 | 364. 1.141278618 |
| 273. 0.891464964431 | 319. 1.01764715926 | 365. 1.1416402978 |
| 274. 0.896083771535 | 320. 1.01967138058 | 366. 1.14683272767 |
| 275. 0.896331697098 | 321. 1.02017154767 | 367. 1.15058071908 |
| 276. 0.897934435475 | 322. 1.02376676557 | 368. 1.15459003216 |

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| 369. 1.16193178073 | 415. 1.30418051965 | 461. 1.43430130633 |
| 370. 1.16369138438 | 416. 1.30432639392 | 462. 1.43707462474 |
| 371. 1.16566097453 | 417. 1.30659544326 | 463. 1.44113359011 |
| 372. 1.16921586049 | 418. 1.31065578057 | 464. 1.4417770696 |
| 373. 1.17616066052 | 419. 1.31319761438 | 465. 1.44646018217 |
| 374. 1.18076070542 | 420. 1.31447800274 | 466. 1.45045685544 |
| 375. 1.18153734059 | 421. 1.32059927009 | 467. 1.45057626062 |
| 376. 1.18434386528 | 422. 1.32210622069 | 468. 1.45318700251 |
| 377. 1.18581340204 | 423. 1.32524213988 | 469. 1.45576304148 |
| 378. 1.1861285375 | 424. 1.32962119316 | 470. 1.45635464763 |
| 379. 1.186824881 | 425. 1.33083040501 | 471. 1.45959077422 |
| 380. 1.18706513867 | 426. 1.33260156502 | 472. 1.45959447873 |
| 381. 1.18979845333 | 427. 1.33284247864 | 473. 1.46096751893 |
| 382. 1.19762847657 | 428. 1.33762262222 | 474. 1.46118207466 |
| 383. 1.19977206268 | 429. 1.34094684423 | 475. 1.46507171813 |
| 384. 1.19996035124 | 430. 1.34487173134 | 476. 1.46726057698 |
| 385. 1.20224993864 | 431. 1.34694221572 | 477. 1.47000593376 |
| 386. 1.21009324606 | 432. 1.35092749631 | 478. 1.47110505685 |
| 387. 1.2130286622 | 433. 1.35100094862 | 479. 1.47114728417 |
| 388. 1.21330694958 | 434. 1.35182486287 | 480. 1.47607480275 |
| 389. 1.2183369173 | 435. 1.3575511825 | 481. 1.47841443168 |
| 390. 1.2238420482 | 436. 1.36001567156 | 482. 1.48168118269 |
| 391. 1.22954110251 | 437. 1.36386346228 | 483. 1.48275402202 |
| 392. 1.23952570989 | 438. 1.37366383793 | 484. 1.48780990329 |
| 393. 1.2409157846 | 439. 1.37738169323 | 485. 1.48938918954 |
| 394. 1.24269881199 | 440. 1.3782604434 | 486. 1.49168681691 |
| 395. 1.25345886543 | 441. 1.38053569869 | 487. 1.49188766898 |
| 396. 1.25445618646 | 442. 1.3828845117 | 488. 1.4926015234 |
| 397. 1.25614380831 | 443. 1.38738561945 | 489. 1.49534917185 |
| 398. 1.25783493846 | 444. 1.39122630185 | 490. 1.49838811955 |
| 399. 1.25991990558 | 445. 1.39379079672 | 491. 1.49849106106 |
| 400. 1.2613878918 | 446. 1.40065846576 | 492. 1.4998727589 |
| 401. 1.26781220444 | 447. 1.40240564545 | 493. 1.5001844392 |
| 402. 1.27219640395 | 448. 1.4025799716 | 494. 1.50388539593 |
| 403. 1.27707952227 | 449. 1.40394043039 | 495. 1.50651233807 |
| 404. 1.28287896454 | 450. 1.40443581735 | 496. 1.50744970368 |
| 405. 1.28397316239 | 451. 1.40786584103 | 497. 1.51048977274 |
| 406. 1.28430539149 | 452. 1.41352659568 | 498. 1.51066773918 |
| 407. 1.28590662263 | 453. 1.41916801282 | 499. 1.51368801712 |
| 408. 1.29092374447 | 454. 1.41917737731 | 500. 1.51649688787 |
| 409. 1.29148166678 | 455. 1.41938882635 | 501. 1.51926048741 |
| 410. 1.29307032415 | 456. 1.42201725525 | 502. 1.51969675785 |
| 411. 1.29561476539 | 457. 1.42242132044 | 503. 1.51970402505 |
| 412. 1.29608903596 | 458. 1.42770448251 | 504. 1.5198391552 |
| 413. 1.29982431256 | 459. 1.43024156592 | 505. 1.52420986359 |
| 414. 1.30136369736 | 460. 1.43049127038 | 506. 1.52433168645 |

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543. 1.61627000344
544. 1.61703039799
545. 1.61775889026
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547. 1.62143045109
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566. 1.65736606293
567. 1.66173628156
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571. 1.6699547396
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575. 1.67952730337
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578. 1.68430257101
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583. 1.6964076254
584. 1.69839880321
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586. 1.69969874252
587. 1.70490226549
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589. 1.70629138016
590. 1.71116049097
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613. 1.75253047926
614. 1.75439308236
615. 1.75557336824
616. 1.75726250078
617. 1.75903966877
618. 1.76221960328
619. 1.76230785217
620. 1.76484610877
621. 1.76761603863
622. 1.77000831862
623. 1.77169969018
624. 1.77375863325
625. 1.7753735945
626. 1.77673456527
627. 1.78005525492
628. 1.78097533937
629. 1.78190965947
630. 1.78202546234
631. 1.78547620748
632. 1.78792489025
633. 1.78967059008
634. 1.7906908949
635. 1.79277111496
636. 1.79434262664
637. 1.79594074986
638. 1.79828755154
639. 1.79929848855
640. 1.7993465847
641. 1.80028654798
642. 1.80259965051
643. 1.80433894671
644. 1.80550520114

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| 645. 1.81221412477 | 691. 1.89469191325 | 737. 1.97205276605 |
| 646. 1.81599700582 | 692. 1.89484938079 | 738. 1.97347007349 |
| 647. 1.81657533523 | 693. 1.89518082615 | 739. 1.97383061901 |
| 648. 1.81704539664 | 694. 1.89706706594 | 740. 1.97427530606 |
| 649. 1.81857614522 | 695. 1.9007445851 | 741. 1.97471122728 |
| 650. 1.8194328903 | 696. 1.90439816931 | 742. 1.97643385207 |
| 651. 1.81994002495 | 697. 1.90942580111 | 743. 1.9772759228 |
| 652. 1.82158995157 | 698. 1.90980029871 | 744. 1.98139222242 |
| 653. 1.82315324491 | 699. 1.91007800481 | 745. 1.98213826149 |
| 654. 1.82705777513 | 700. 1.9104001254 | 746. 1.98302475269 |
| 655. 1.8312239722 | 701. 1.91049637617 | 747. 1.9857529822 |
| 656. 1.83200370647 | 702. 1.91350449183 | 748. 1.98724664978 |
| 657. 1.83292624453 | 703. 1.91397352586 | 749. 1.98737316354 |
| 658. 1.83501743875 | 704. 1.91471418435 | 750. 1.9903228084 |
| 659. 1.83703869518 | 705. 1.9157641292 | 751. 1.99116157602 |
| 660. 1.83874195697 | 706. 1.91868130349 | 752. 1.99288651769 |
| 661. 1.84169579486 | 707. 1.92028793357 | 753. 1.99512958938 |
| 662. 1.84326092169 | 708. 1.92084758565 | 754. 1.9973607799 |
| 663. 1.84435647273 | 709. 1.92235300411 | 755. 2.0 |
| 664. 1.84444630673 | 710. 1.92606987712 | 756. 2.00011219398 |
| 665. 1.846105059 | 711. 1.92685268361 | 757. 2.00077503751 |
| 666. 1.84979861528 | 712. 1.93096546114 | 758. 2.00237287849 |
| 667. 1.85416008192 | 713. 1.93465142235 | 759. 2.00400549269 |
| 668. 1.8551622436 | 714. 1.93736803342 | 760. 2.00491580017 |
| 669. 1.85653014719 | 715. 1.9400443511 | 761. 2.00537911132 |
| 670. 1.85810221846 | 716. 1.94175417586 | 762. 2.00739882413 |
| 671. 1.86106904234 | 717. 1.9448261947 | 763. 2.00888786856 |
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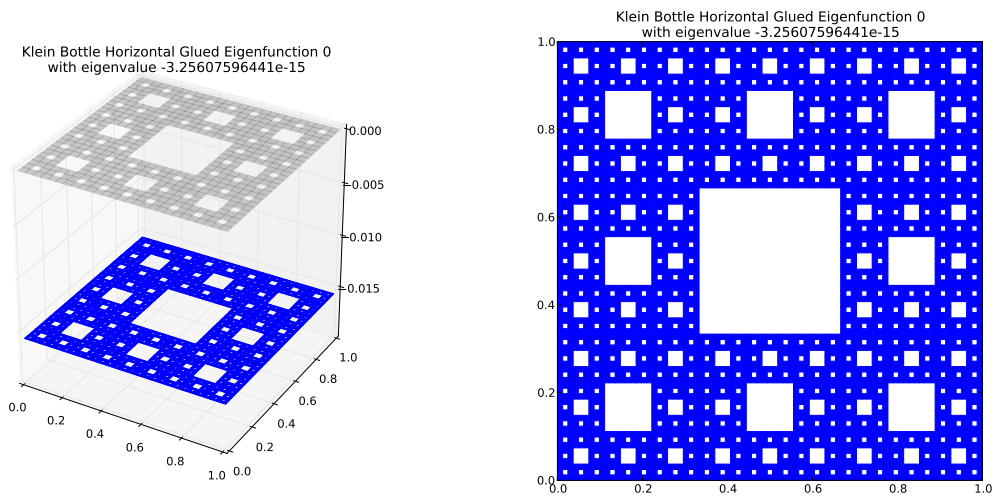
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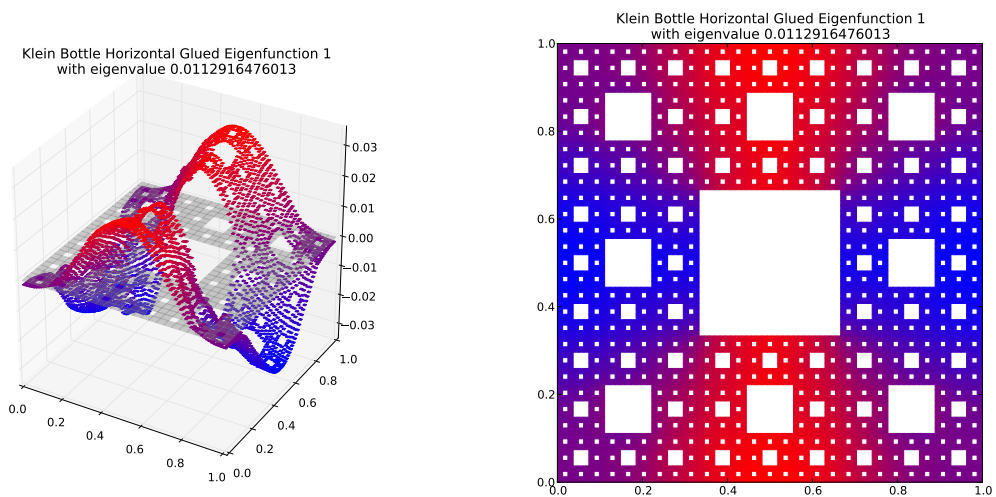
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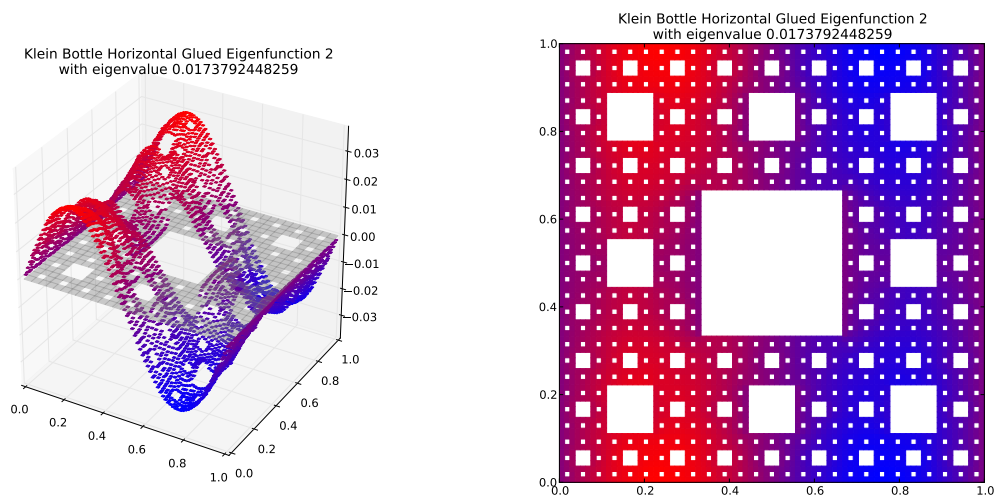
Eigenfunction 0 with eigenvalue $-3.25607596441e-15$



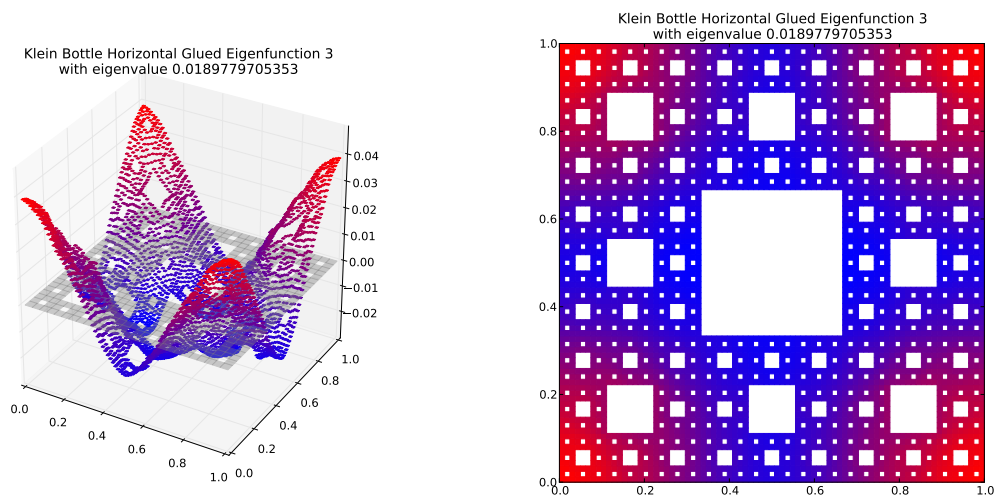
Eigenfunction 1 with eigenvalue 0.0112916476013



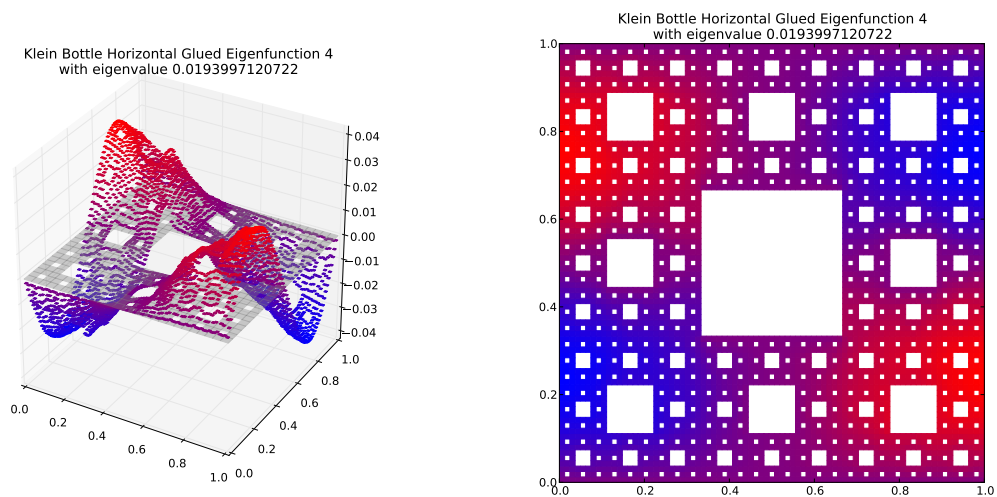
Eigenfunction 2 with eigenvalue 0.0173792448259



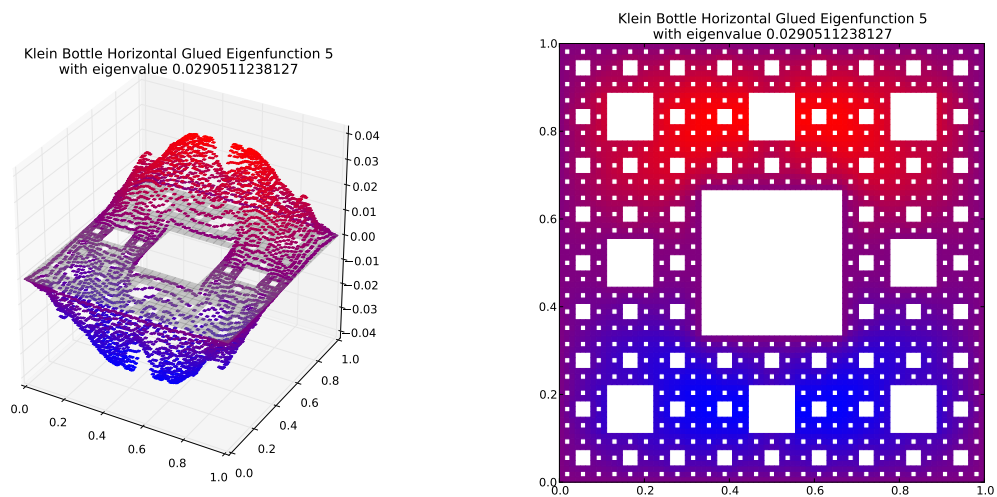
Eigenfunction 3 with eigenvalue 0.0189779705353



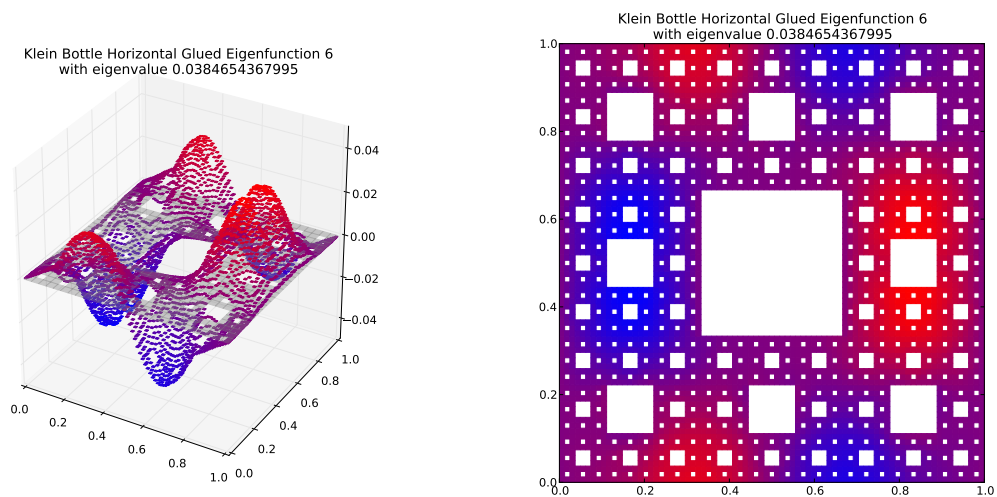
Eigenfunction 4 with eigenvalue 0.0193997120722



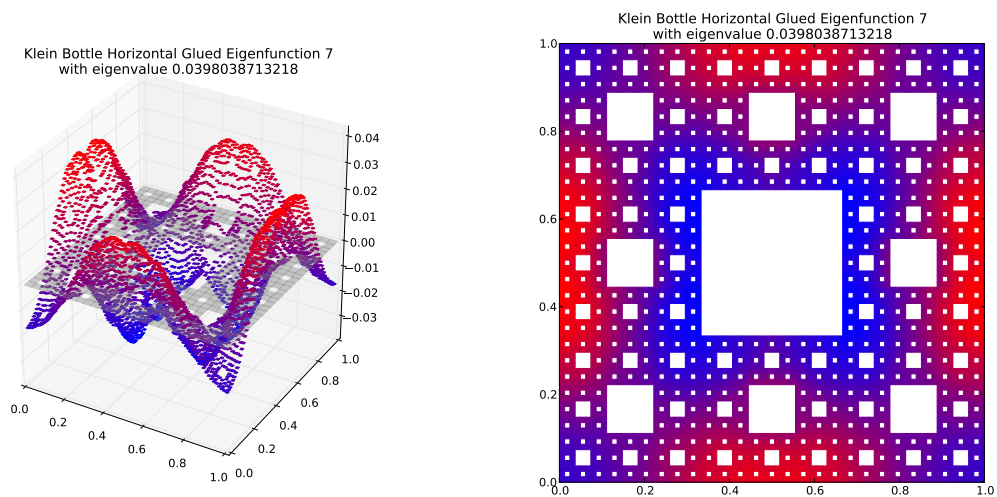
Eigenfunction 5 with eigenvalue 0.0290511238127



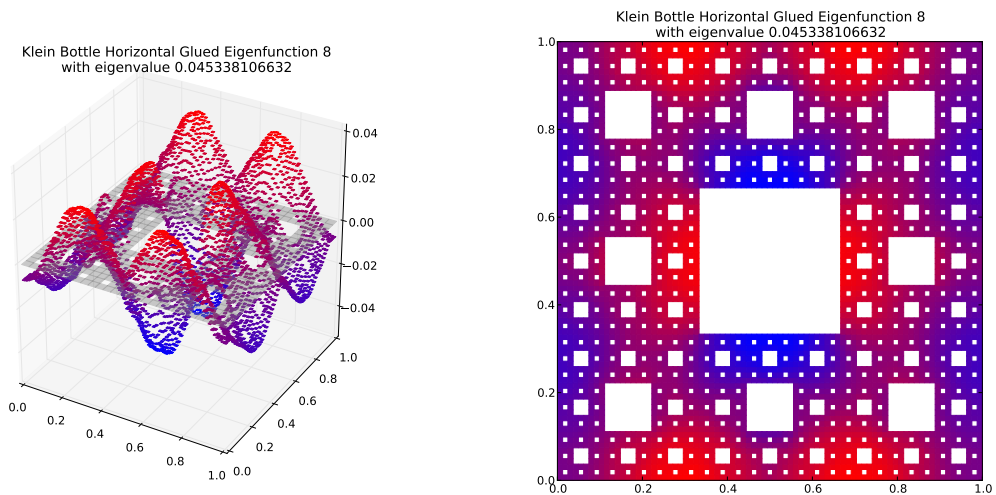
Eigenfunction 6 with eigenvalue 0.0384654367995



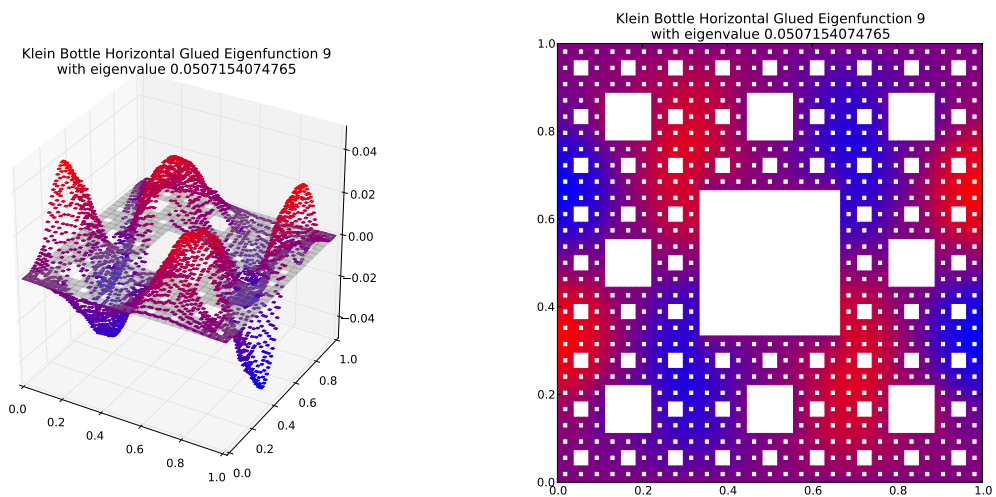
Eigenfunction 7 with eigenvalue 0.0398038713218



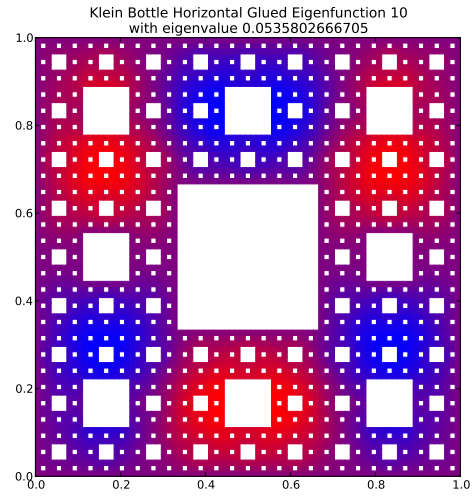
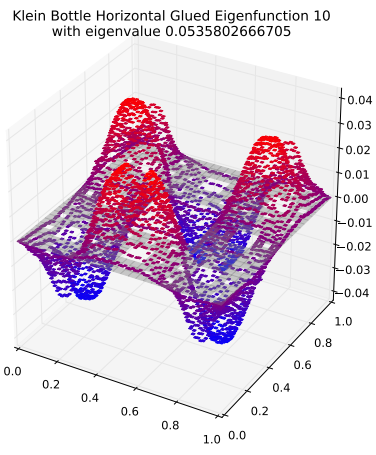
Eigenfunction 8 with eigenvalue 0.045338106632



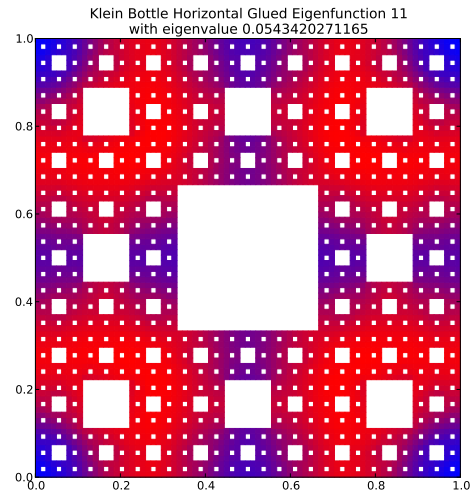
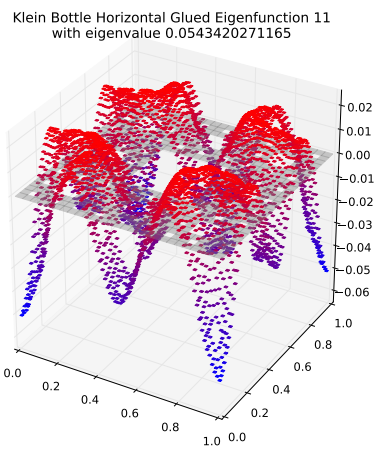
Eigenfunction 9 with eigenvalue 0.0507154074765



Eigenfunction 10 with eigenvalue 0.0535802666705

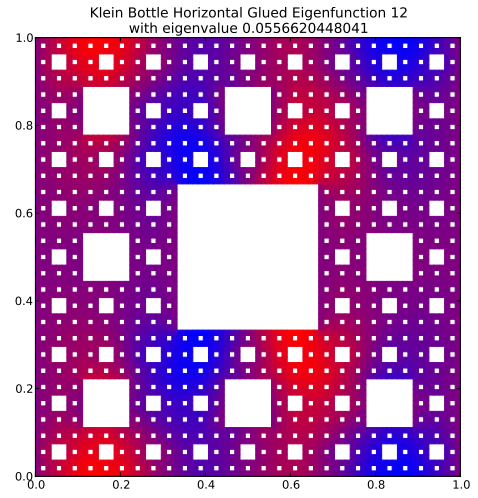
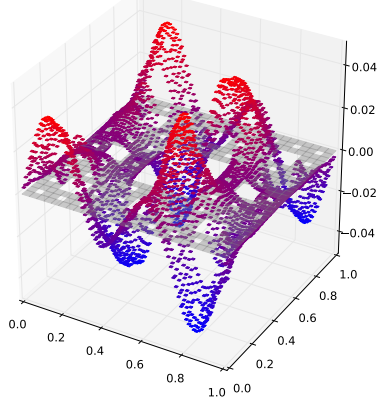


Eigenfunction 11 with eigenvalue 0.0543420271165



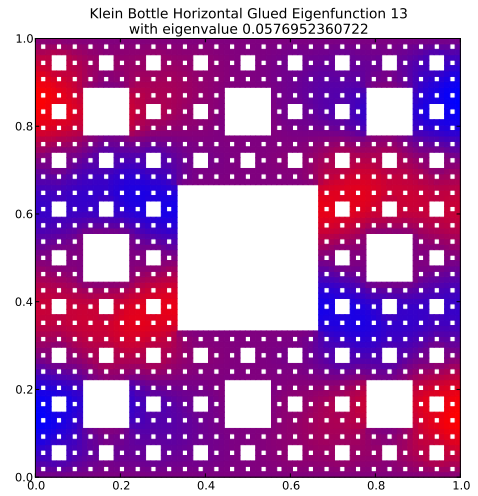
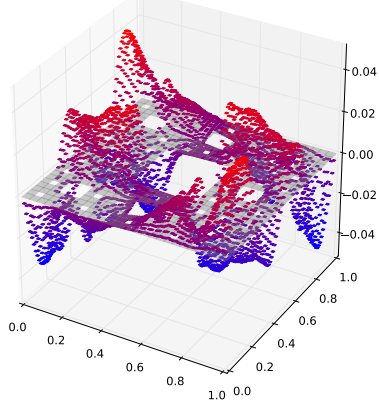
Eigenfunction 12 with eigenvalue 0.0556620448041

Klein Bottle Horizontal Glued Eigenfunction 12
with eigenvalue 0.0556620448041

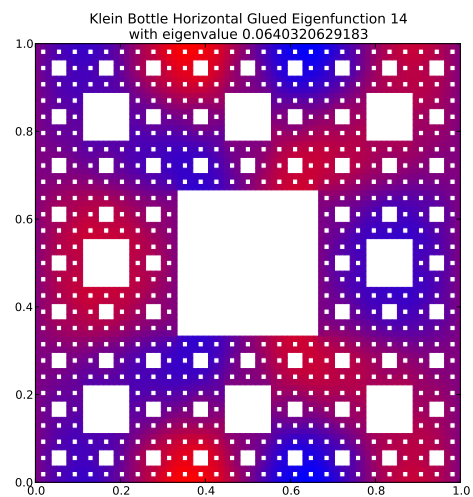
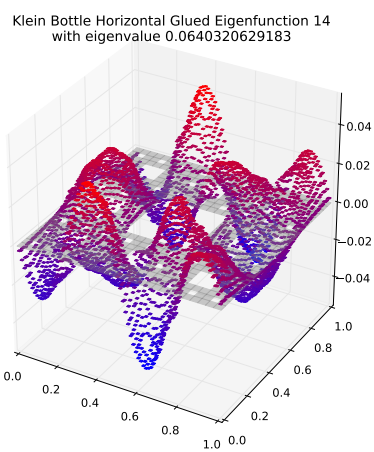


Eigenfunction 13 with eigenvalue 0.0576952360722

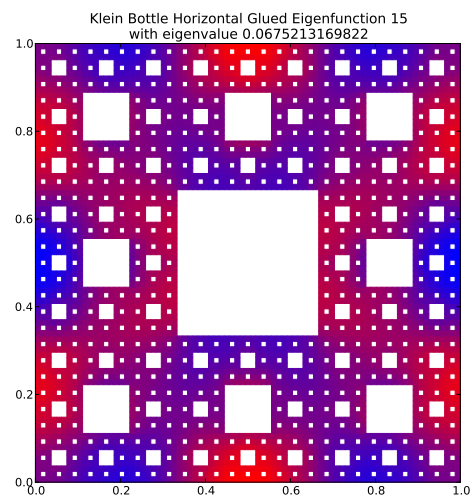
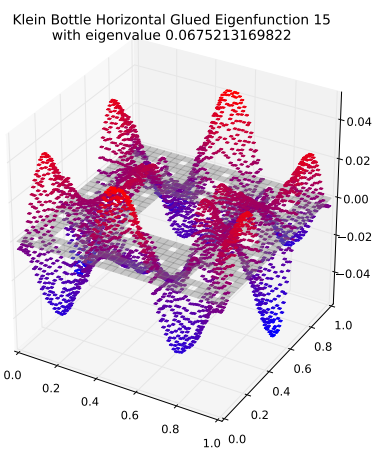
Klein Bottle Horizontal Glued Eigenfunction 13
with eigenvalue 0.0576952360722



Eigenfunction 14 with eigenvalue 0.0640320629183

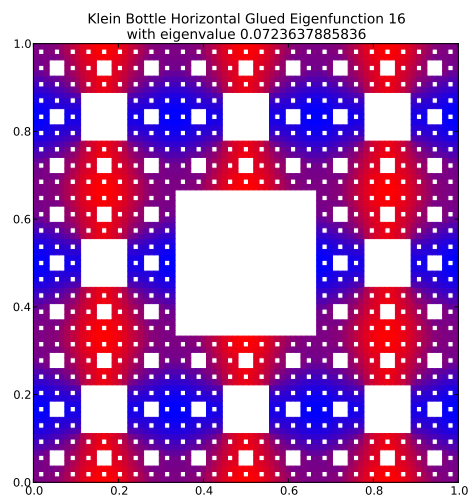
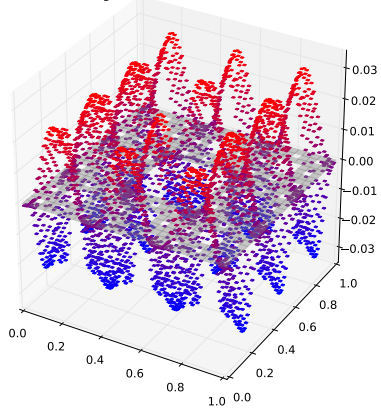


Eigenfunction 15 with eigenvalue 0.0675213169822



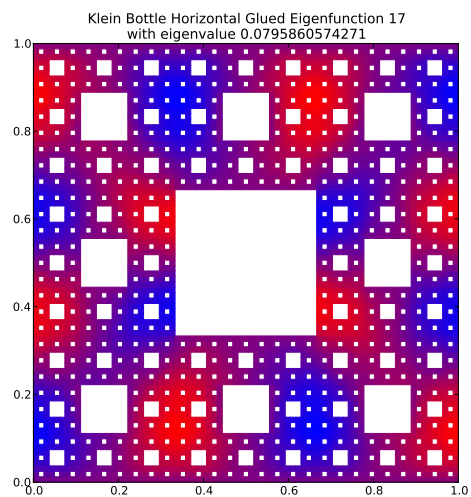
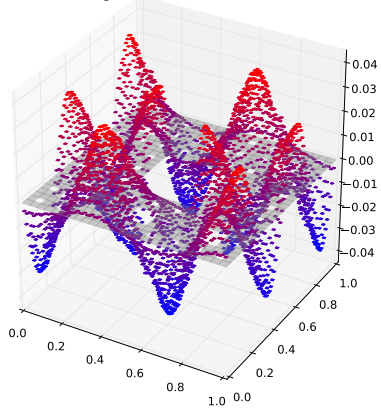
Eigenfunction 16 with eigenvalue 0.0723637885836

Klein Bottle Horizontal Glued Eigenfunction 16
with eigenvalue 0.0723637885836



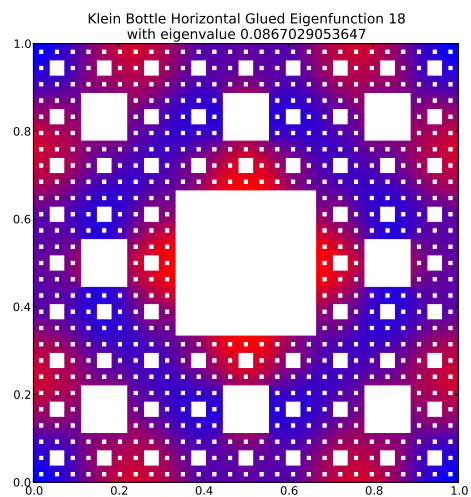
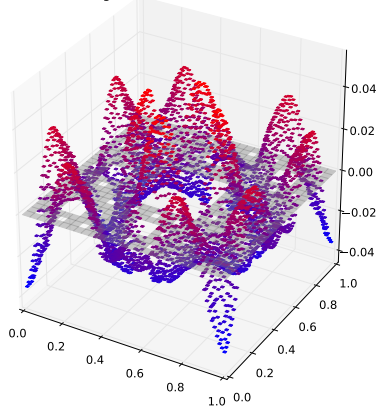
Eigenfunction 17 with eigenvalue 0.0795860574271

Klein Bottle Horizontal Glued Eigenfunction 17
with eigenvalue 0.0795860574271



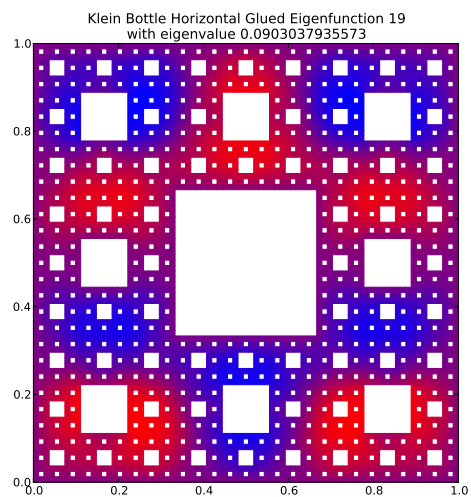
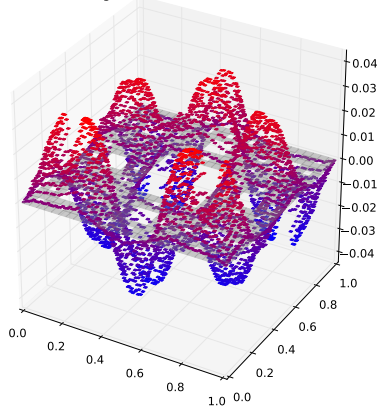
Eigenfunction 18 with eigenvalue 0.0867029053647

Klein Bottle Horizontal Glued Eigenfunction 18
with eigenvalue 0.0867029053647



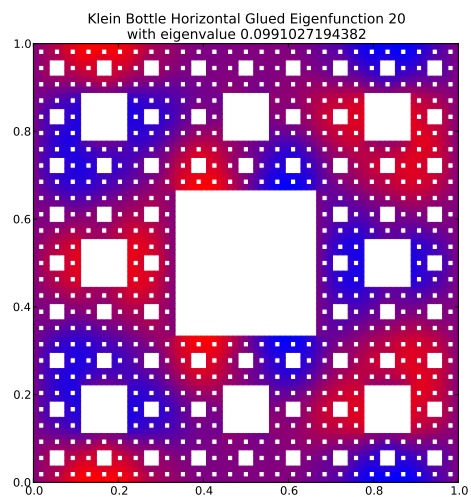
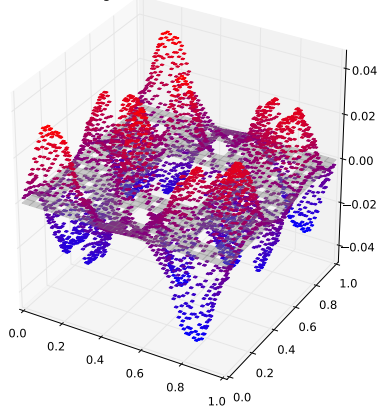
Eigenfunction 19 with eigenvalue 0.0903037935573

Klein Bottle Horizontal Glued Eigenfunction 19
with eigenvalue 0.0903037935573



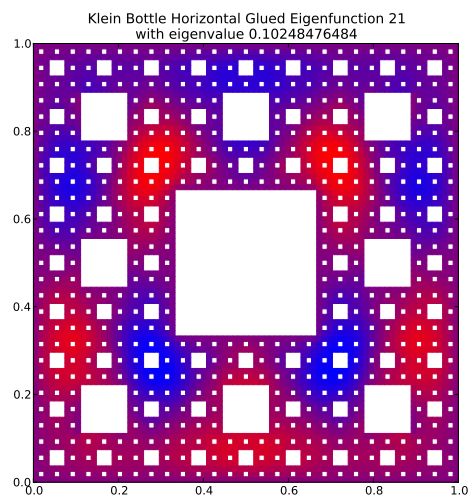
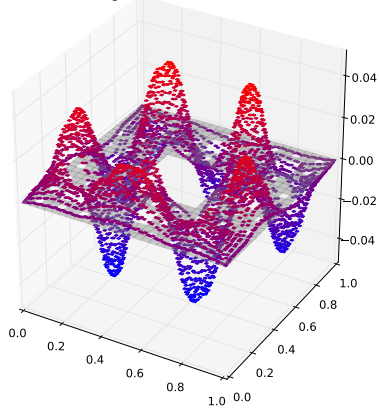
Eigenfunction 20 with eigenvalue 0.0991027194382

Klein Bottle Horizontal Glued Eigenfunction 20
with eigenvalue 0.0991027194382



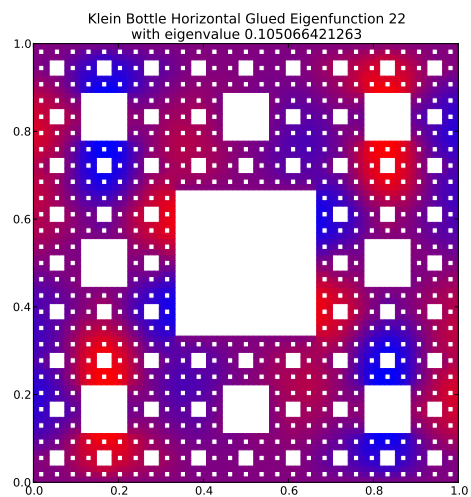
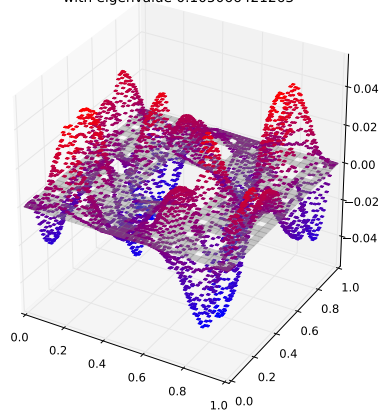
Eigenfunction 21 with eigenvalue 0.10248476484

Klein Bottle Horizontal Glued Eigenfunction 21
with eigenvalue 0.10248476484



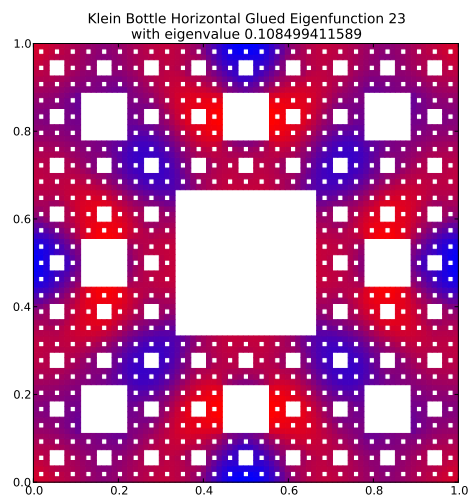
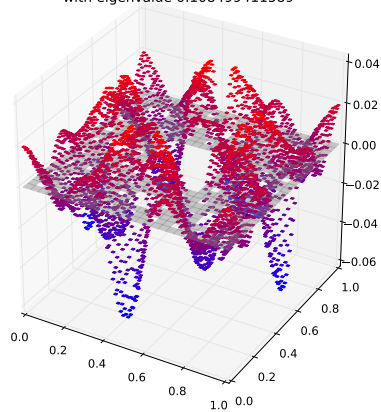
Eigenfunction 22 with eigenvalue 0.105066421263

Klein Bottle Horizontal Glued Eigenfunction 22
with eigenvalue 0.105066421263



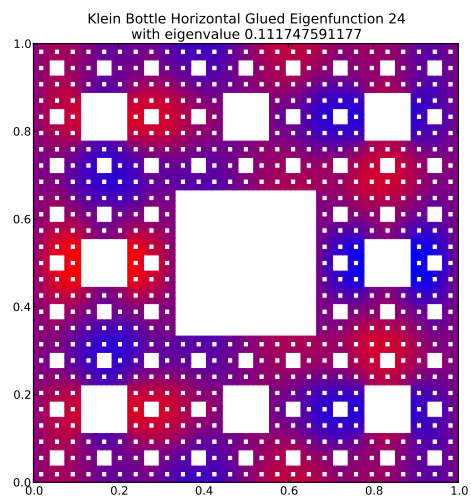
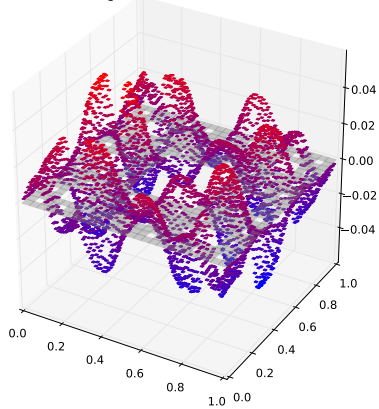
Eigenfunction 23 with eigenvalue 0.108499411589

Klein Bottle Horizontal Glued Eigenfunction 23
with eigenvalue 0.108499411589



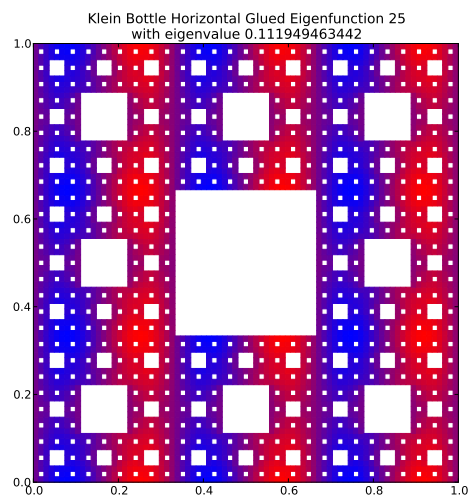
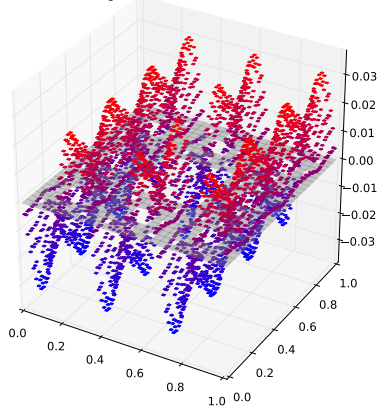
Eigenfunction 24 with eigenvalue 0.111747591177

Klein Bottle Horizontal Glued Eigenfunction 24
with eigenvalue 0.111747591177



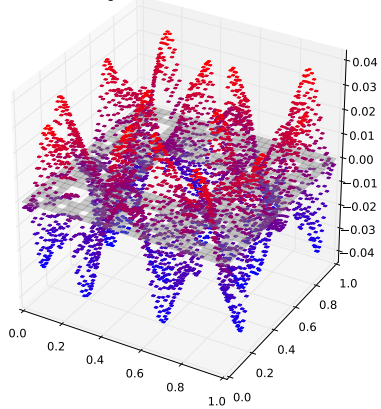
Eigenfunction 25 with eigenvalue 0.111949463442

Klein Bottle Horizontal Glued Eigenfunction 25
with eigenvalue 0.111949463442

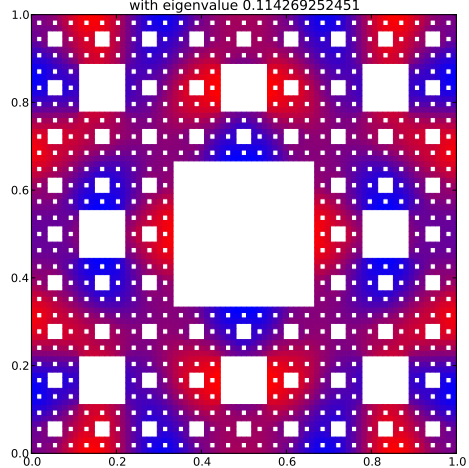


Eigenfunction 26 with eigenvalue 0.114269252451

Klein Bottle Horizontal Glued Eigenfunction 26
with eigenvalue 0.114269252451

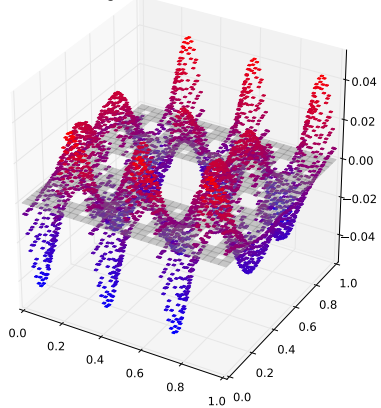


Klein Bottle Horizontal Glued Eigenfunction 26
with eigenvalue 0.114269252451

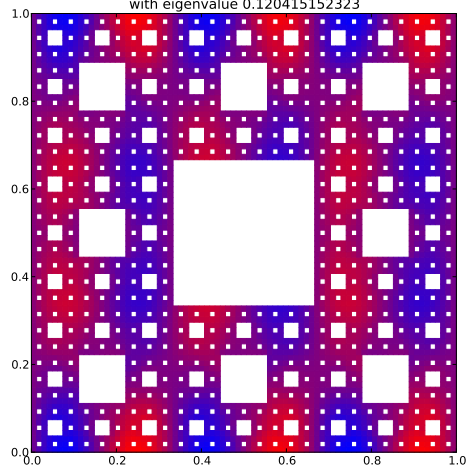


Eigenfunction 27 with eigenvalue 0.120415152323

Klein Bottle Horizontal Glued Eigenfunction 27
with eigenvalue 0.120415152323

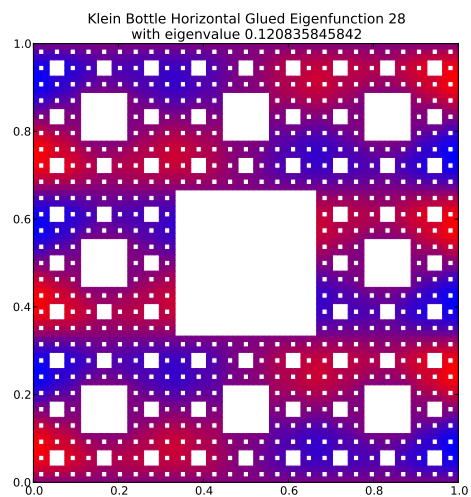
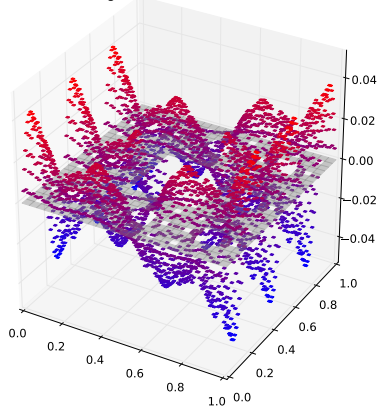


Klein Bottle Horizontal Glued Eigenfunction 27
with eigenvalue 0.120415152323



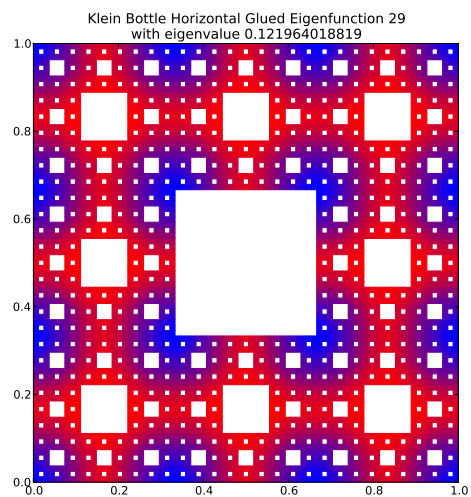
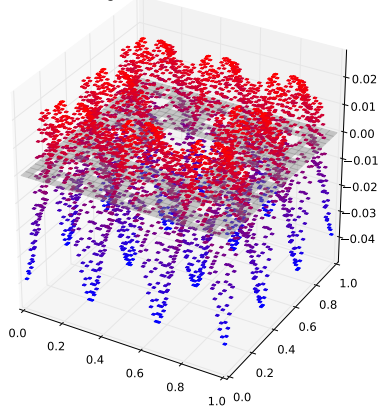
Eigenfunction 28 with eigenvalue 0.120835845842

Klein Bottle Horizontal Glued Eigenfunction 28
with eigenvalue 0.120835845842



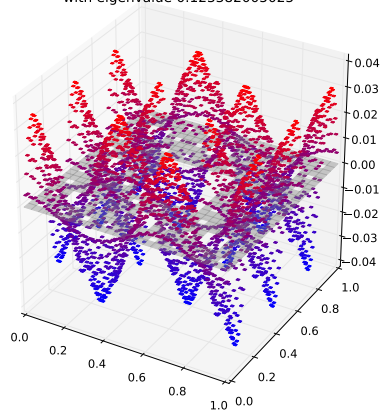
Eigenfunction 29 with eigenvalue 0.121964018819

Klein Bottle Horizontal Glued Eigenfunction 29
with eigenvalue 0.121964018819

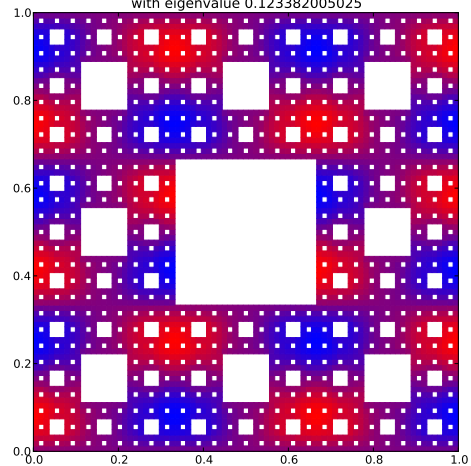


Eigenfunction 30 with eigenvalue 0.123382005025

Klein Bottle Horizontal Glued Eigenfunction 30
with eigenvalue 0.123382005025

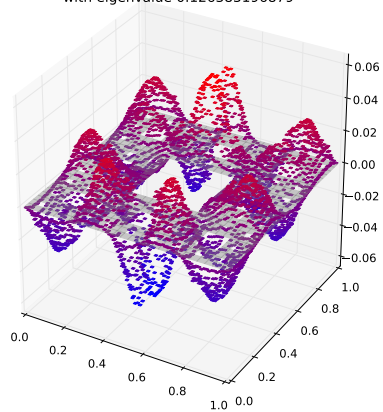


Klein Bottle Horizontal Glued Eigenfunction 30
with eigenvalue 0.123382005025

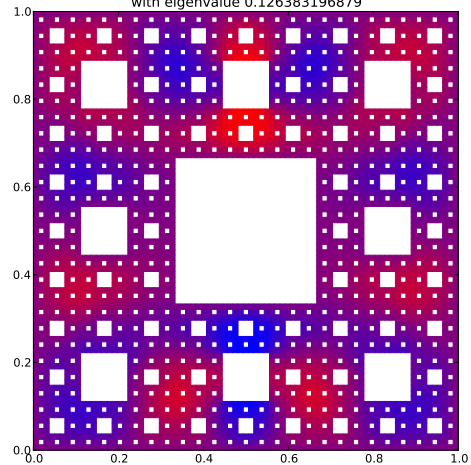


Eigenfunction 31 with eigenvalue 0.126383196879

Klein Bottle Horizontal Glued Eigenfunction 31
with eigenvalue 0.126383196879

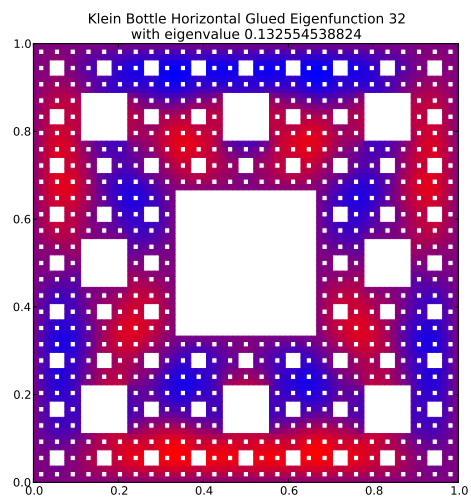
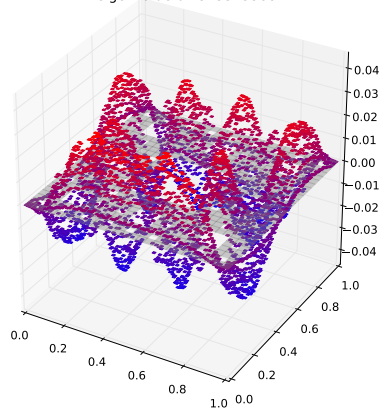


Klein Bottle Horizontal Glued Eigenfunction 31
with eigenvalue 0.126383196879



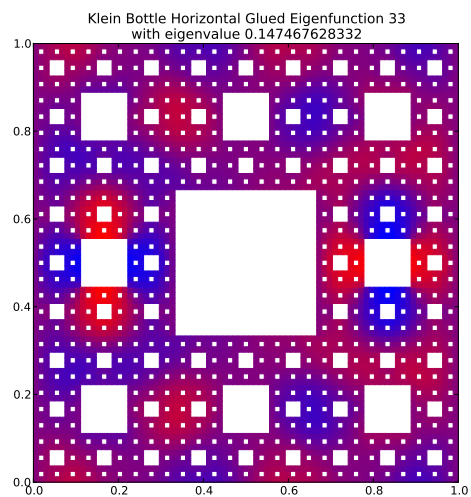
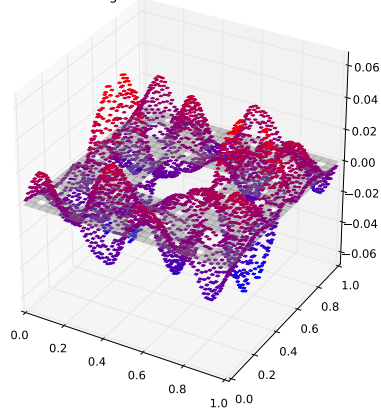
Eigenfunction 32 with eigenvalue 0.132554538824

Klein Bottle Horizontal Glued Eigenfunction 32
with eigenvalue 0.132554538824



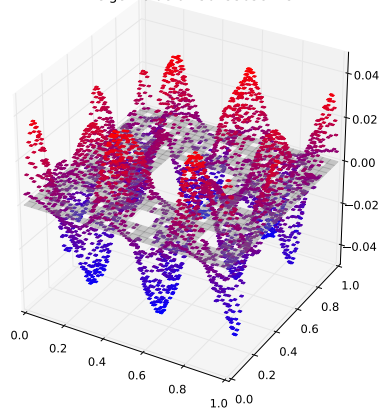
Eigenfunction 33 with eigenvalue 0.147467628332

Klein Bottle Horizontal Glued Eigenfunction 33
with eigenvalue 0.147467628332

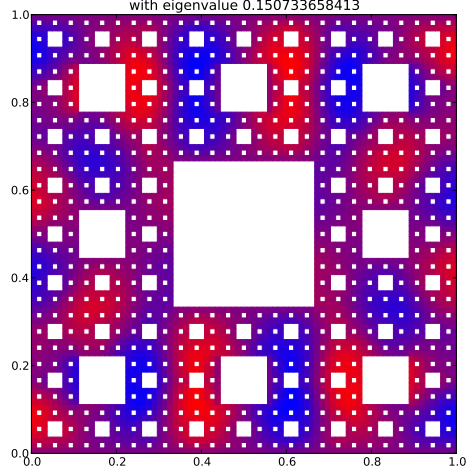


Eigenfunction 34 with eigenvalue 0.150733658413

Klein Bottle Horizontal Glued Eigenfunction 34
with eigenvalue 0.150733658413

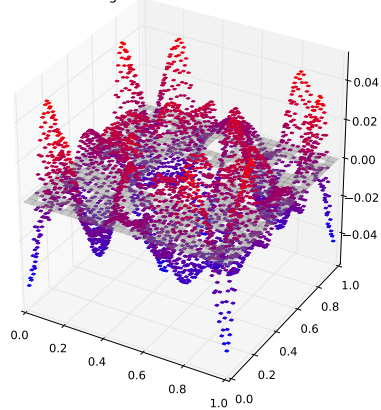


Klein Bottle Horizontal Glued Eigenfunction 34
with eigenvalue 0.150733658413

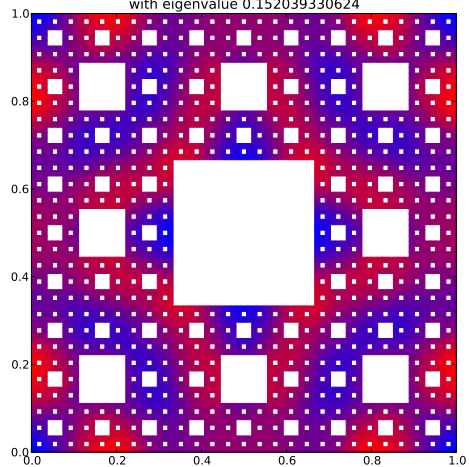


Eigenfunction 35 with eigenvalue 0.152039330624

Klein Bottle Horizontal Glued Eigenfunction 35
with eigenvalue 0.152039330624

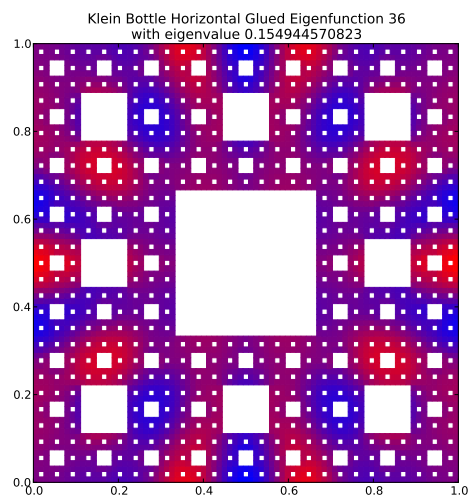
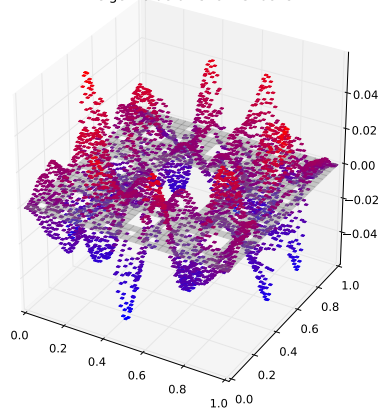


Klein Bottle Horizontal Glued Eigenfunction 35
with eigenvalue 0.152039330624



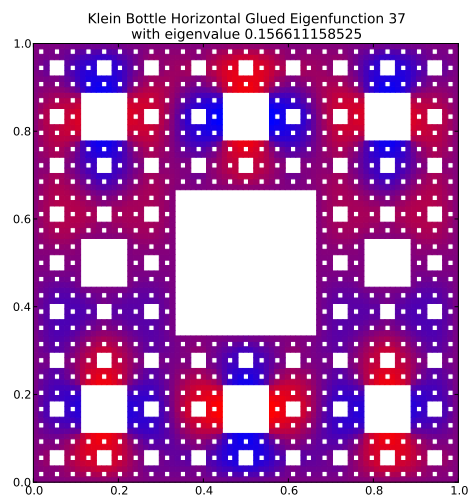
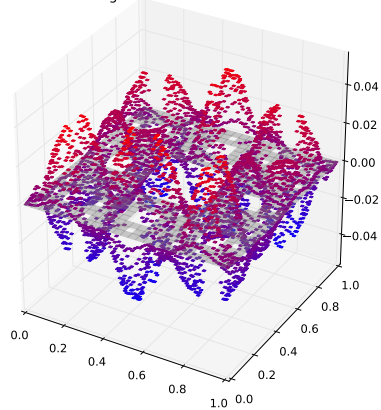
Eigenfunction 36 with eigenvalue 0.154944570823

Klein Bottle Horizontal Glued Eigenfunction 36
with eigenvalue 0.154944570823



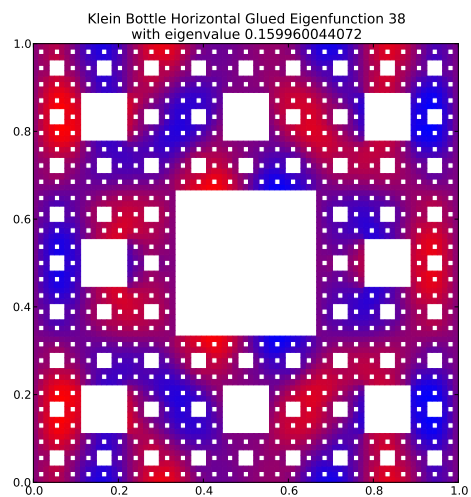
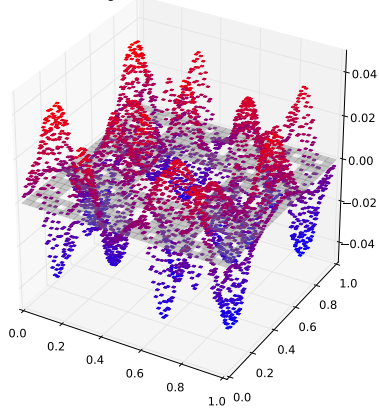
Eigenfunction 37 with eigenvalue 0.156611158525

Klein Bottle Horizontal Glued Eigenfunction 37
with eigenvalue 0.156611158525



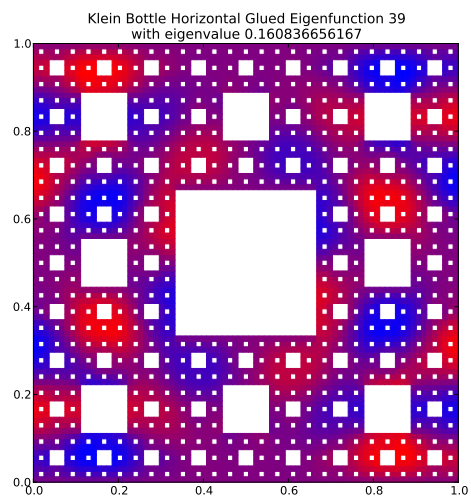
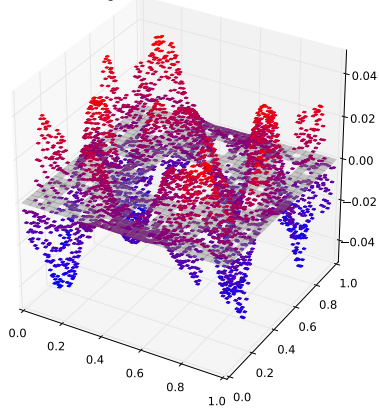
Eigenfunction 38 with eigenvalue 0.159960044072

Klein Bottle Horizontal Glued Eigenfunction 38
with eigenvalue 0.159960044072



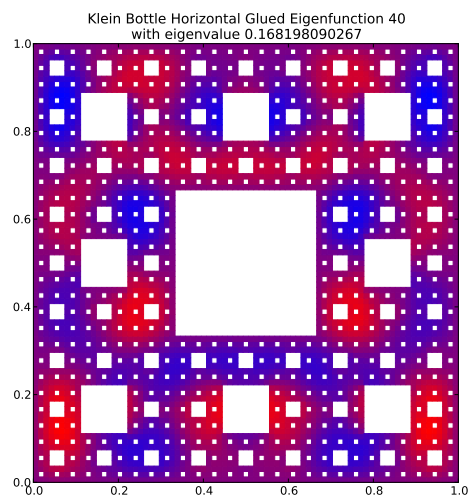
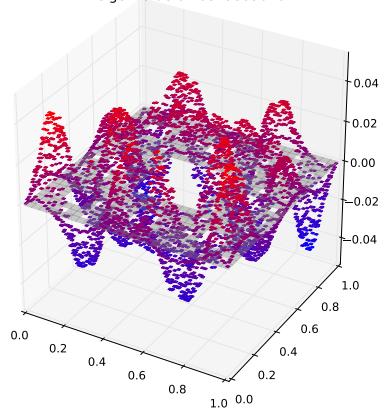
Eigenfunction 39 with eigenvalue 0.160836656167

Klein Bottle Horizontal Glued Eigenfunction 39
with eigenvalue 0.160836656167



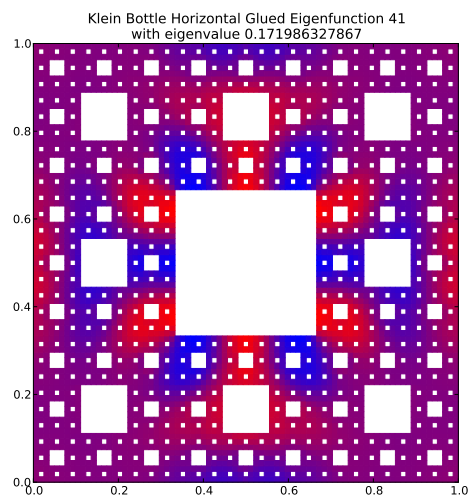
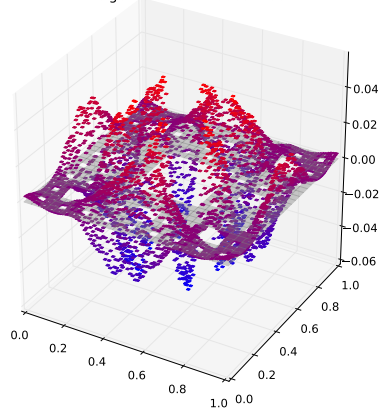
Eigenfunction 40 with eigenvalue 0.168198090267

Klein Bottle Horizontal Glued Eigenfunction 40
with eigenvalue 0.168198090267



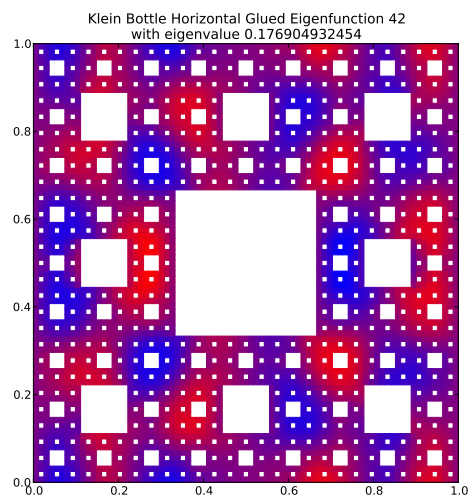
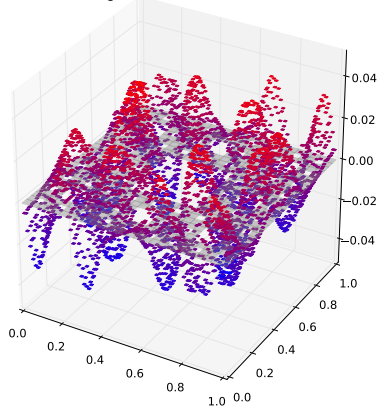
Eigenfunction 41 with eigenvalue 0.171986327867

Klein Bottle Horizontal Glued Eigenfunction 41
with eigenvalue 0.171986327867



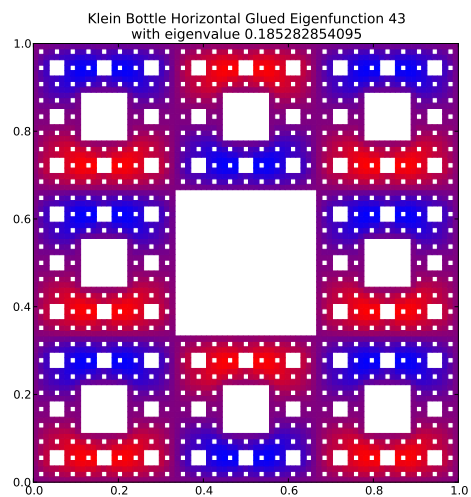
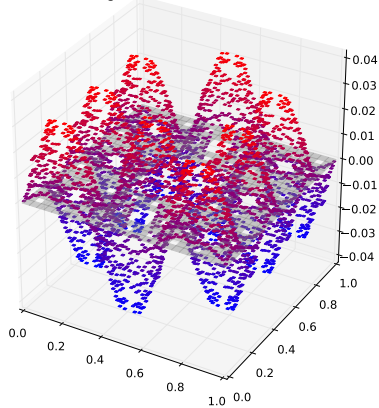
Eigenfunction 42 with eigenvalue 0.176904932454

Klein Bottle Horizontal Glued Eigenfunction 42
with eigenvalue 0.176904932454

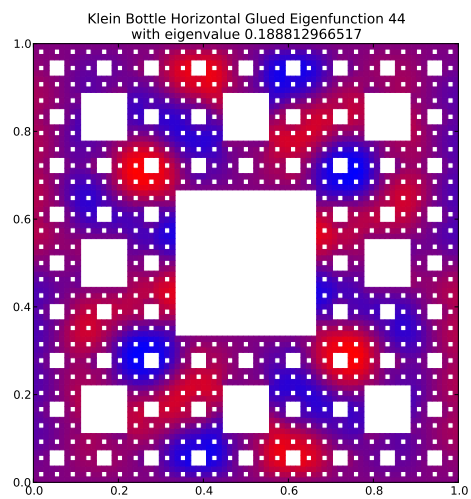
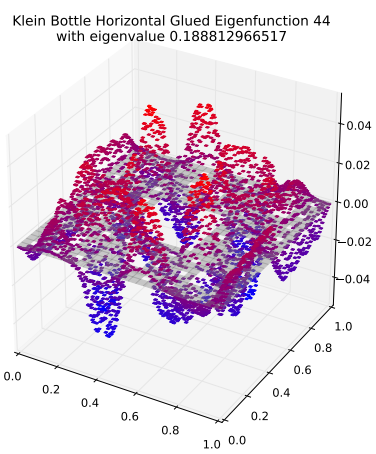


Eigenfunction 43 with eigenvalue 0.185282854095

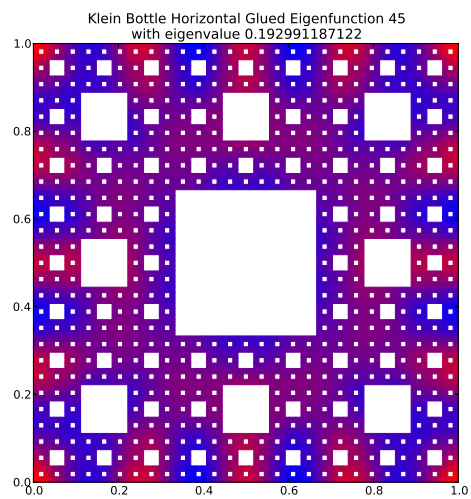
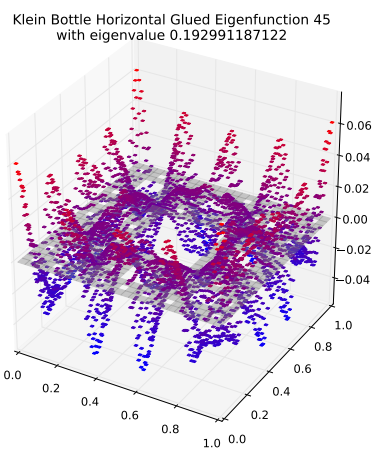
Klein Bottle Horizontal Glued Eigenfunction 43
with eigenvalue 0.185282854095



Eigenfunction 44 with eigenvalue 0.188812966517

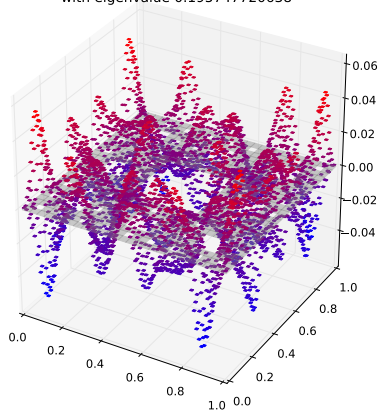


Eigenfunction 45 with eigenvalue 0.192991187122

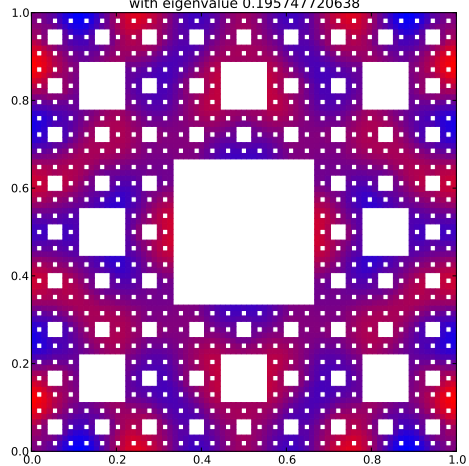


Eigenfunction 46 with eigenvalue 0.195747720638

Klein Bottle Horizontal Glued Eigenfunction 46
with eigenvalue 0.195747720638

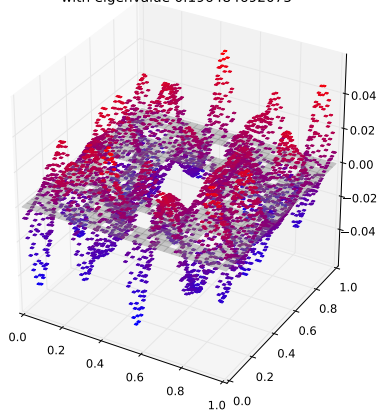


Klein Bottle Horizontal Glued Eigenfunction 46
with eigenvalue 0.195747720638

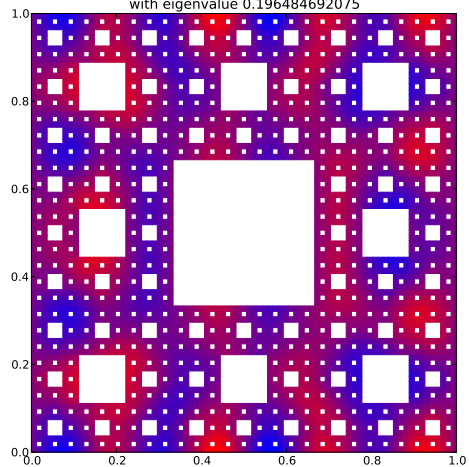


Eigenfunction 47 with eigenvalue 0.196484692075

Klein Bottle Horizontal Glued Eigenfunction 47
with eigenvalue 0.196484692075

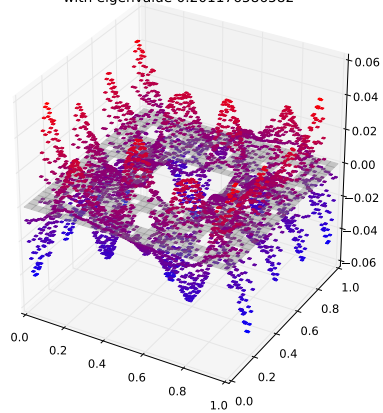


Klein Bottle Horizontal Glued Eigenfunction 47
with eigenvalue 0.196484692075

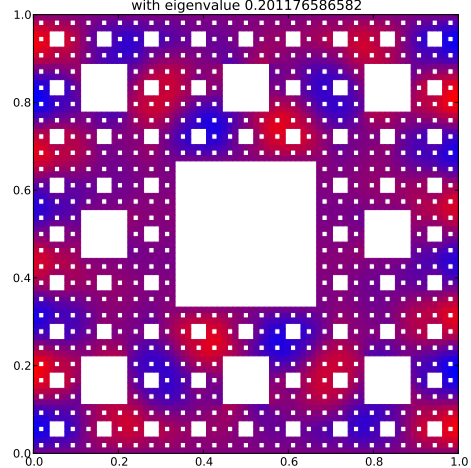


Eigenfunction 48 with eigenvalue 0.201176586582

Klein Bottle Horizontal Glued Eigenfunction 48
with eigenvalue 0.201176586582

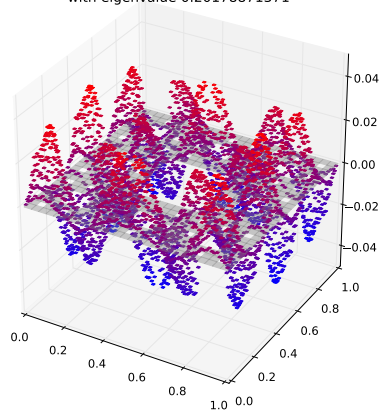


Klein Bottle Horizontal Glued Eigenfunction 48
with eigenvalue 0.201176586582

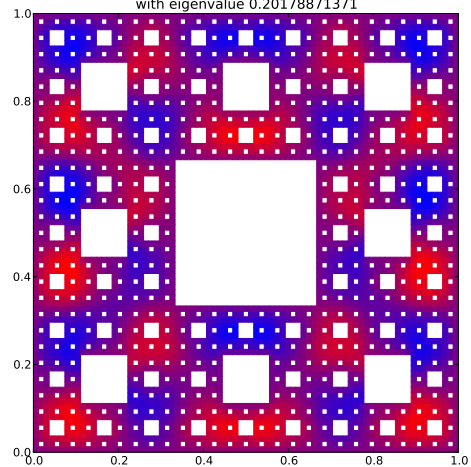


Eigenfunction 49 with eigenvalue 0.20178871371

Klein Bottle Horizontal Glued Eigenfunction 49
with eigenvalue 0.20178871371

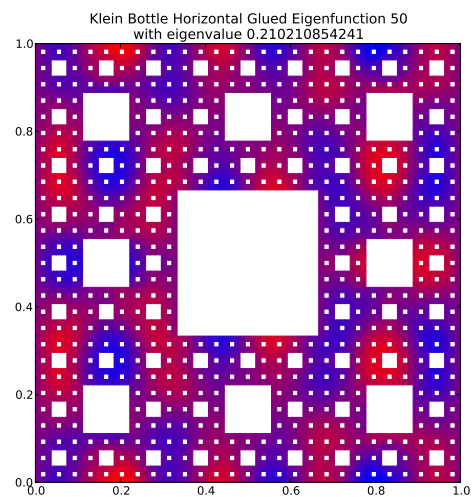
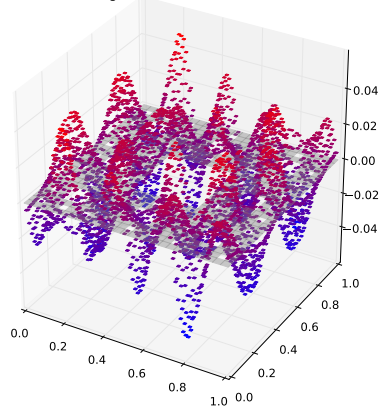


Klein Bottle Horizontal Glued Eigenfunction 49
with eigenvalue 0.20178871371



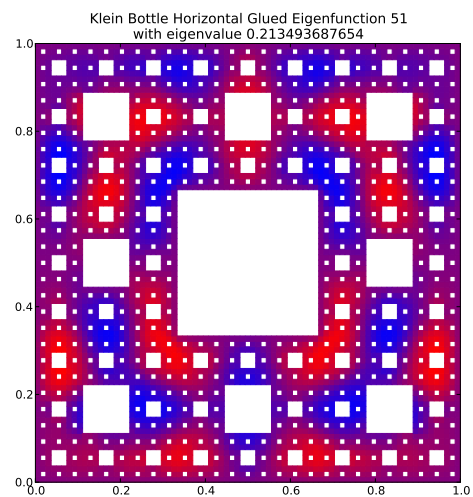
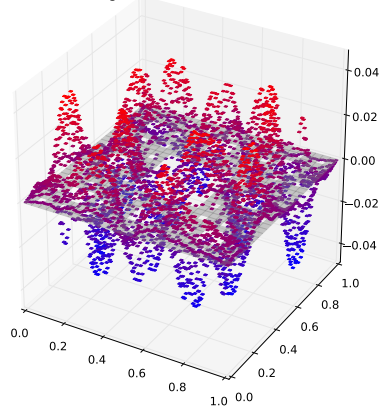
Eigenfunction 50 with eigenvalue 0.210210854241

Klein Bottle Horizontal Glued Eigenfunction 50
with eigenvalue 0.210210854241



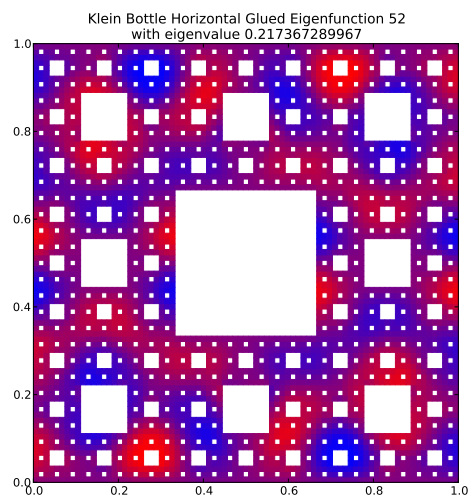
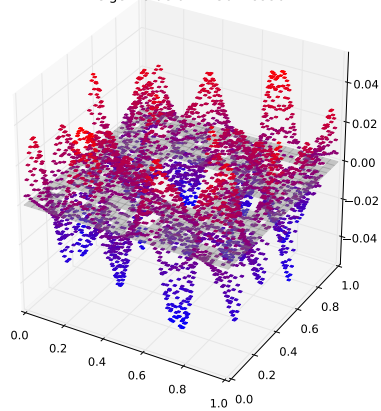
Eigenfunction 51 with eigenvalue 0.213493687654

Klein Bottle Horizontal Glued Eigenfunction 51
with eigenvalue 0.213493687654



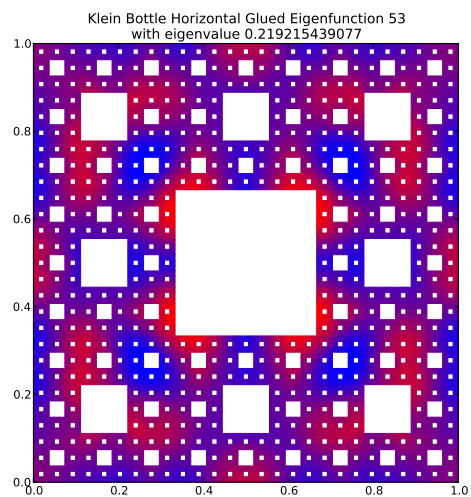
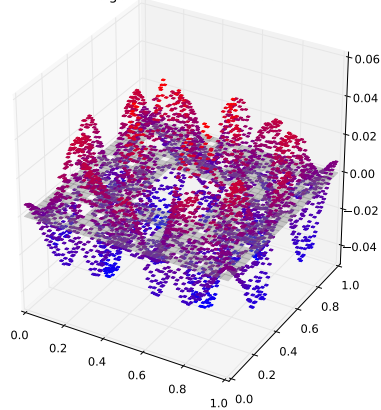
Eigenfunction 52 with eigenvalue 0.217367289967

Klein Bottle Horizontal Glued Eigenfunction 52
with eigenvalue 0.217367289967



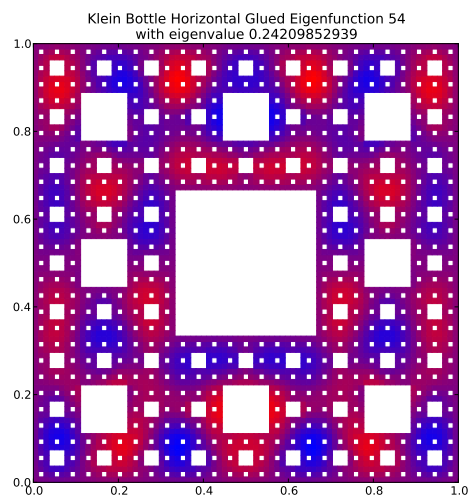
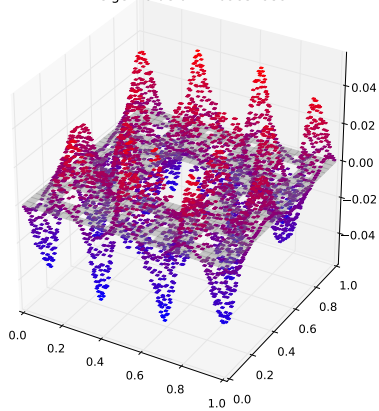
Eigenfunction 53 with eigenvalue 0.219215439077

Klein Bottle Horizontal Glued Eigenfunction 53
with eigenvalue 0.219215439077



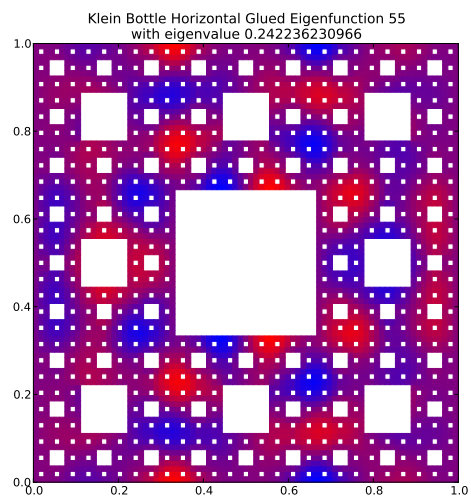
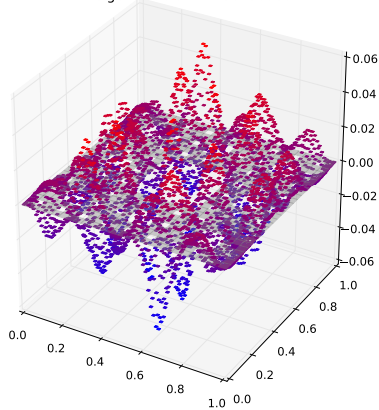
Eigenfunction 54 with eigenvalue 0.24209852939

Klein Bottle Horizontal Glued Eigenfunction 54
with eigenvalue 0.24209852939



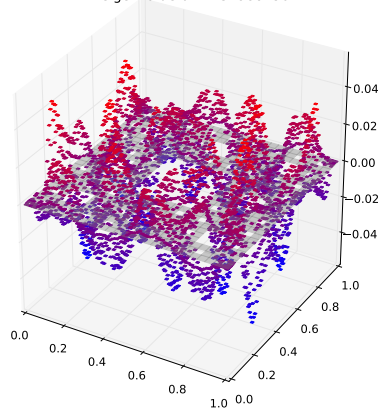
Eigenfunction 55 with eigenvalue 0.242236230966

Klein Bottle Horizontal Glued Eigenfunction 55
with eigenvalue 0.242236230966

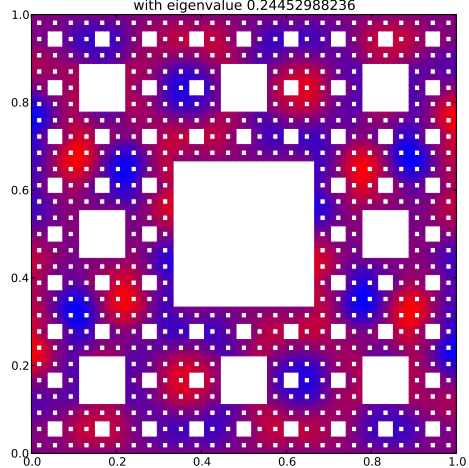


Eigenfunction 56 with eigenvalue 0.24452988236

Klein Bottle Horizontal Glued Eigenfunction 56
with eigenvalue 0.24452988236

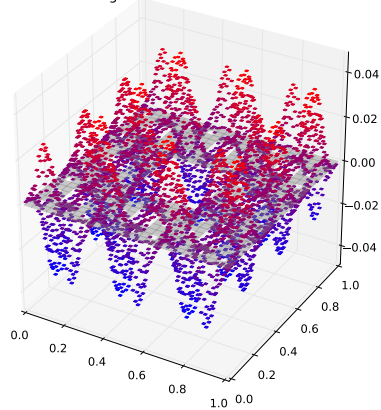


Klein Bottle Horizontal Glued Eigenfunction 56
with eigenvalue 0.24452988236

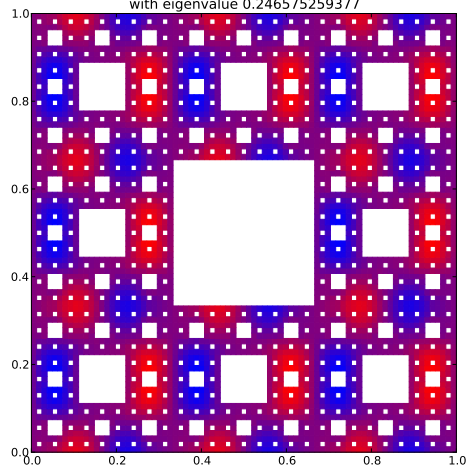


Eigenfunction 57 with eigenvalue 0.246575259377

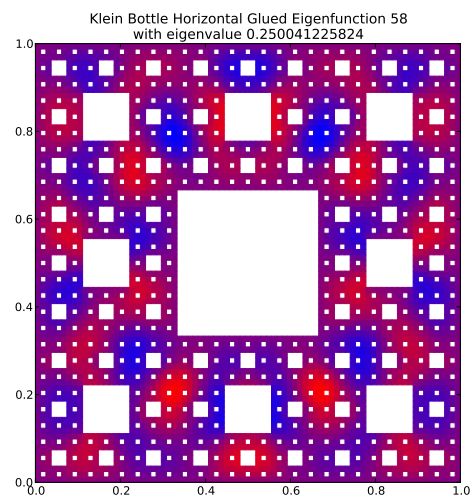
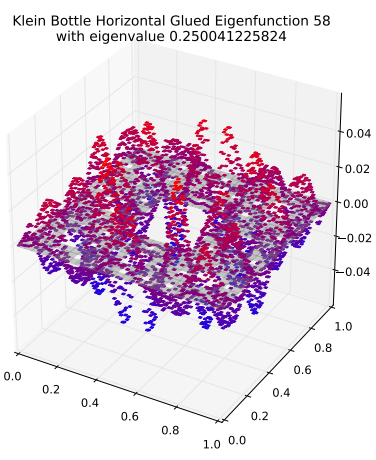
Klein Bottle Horizontal Glued Eigenfunction 57
with eigenvalue 0.246575259377



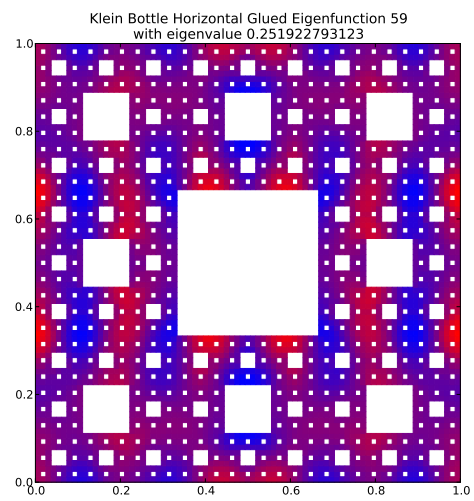
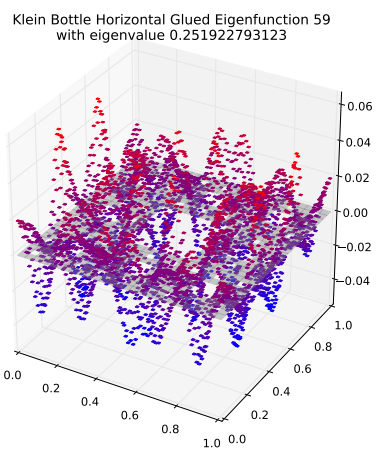
Klein Bottle Horizontal Glued Eigenfunction 57
with eigenvalue 0.246575259377



Eigenfunction 58 with eigenvalue 0.250041225824

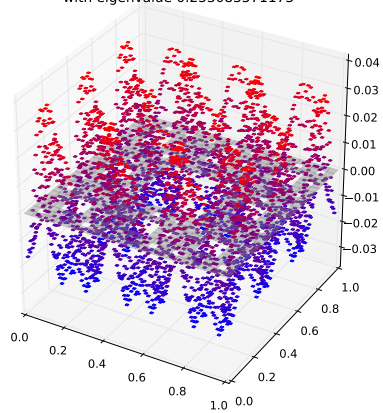


Eigenfunction 59 with eigenvalue 0.251922793123

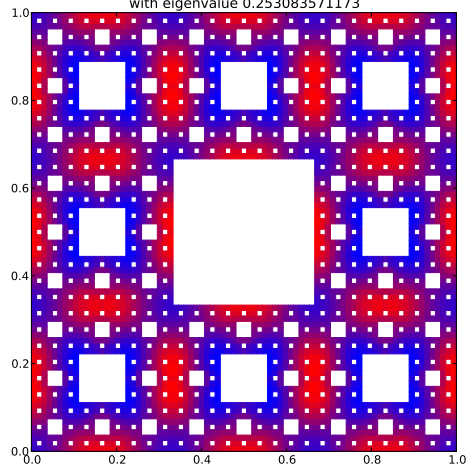


Eigenfunction 60 with eigenvalue 0.253083571173

Klein Bottle Horizontal Glued Eigenfunction 60
with eigenvalue 0.253083571173

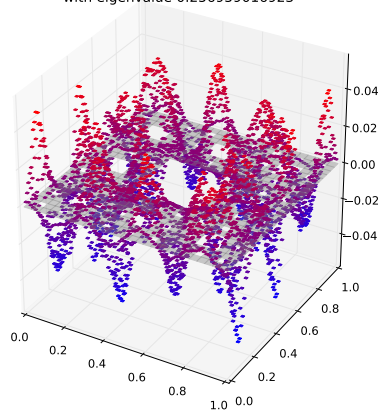


Klein Bottle Horizontal Glued Eigenfunction 60
with eigenvalue 0.253083571173

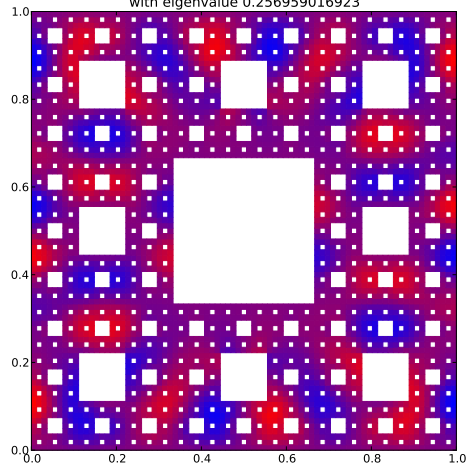


Eigenfunction 61 with eigenvalue 0.256959016923

Klein Bottle Horizontal Glued Eigenfunction 61
with eigenvalue 0.256959016923

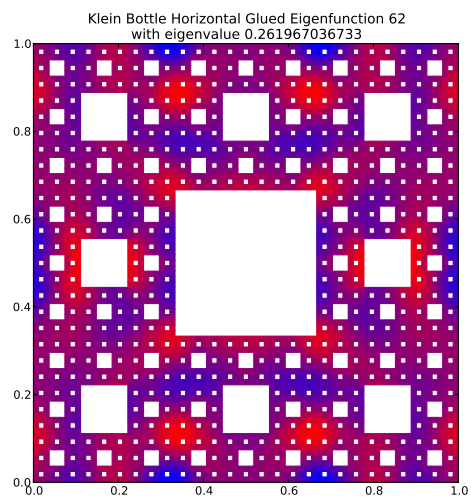
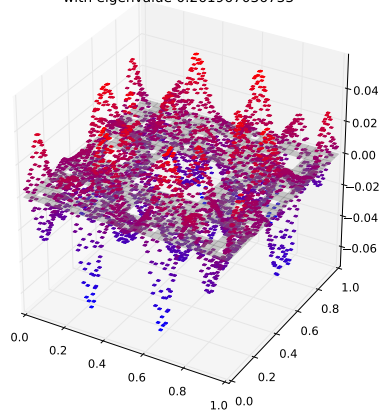


Klein Bottle Horizontal Glued Eigenfunction 61
with eigenvalue 0.256959016923



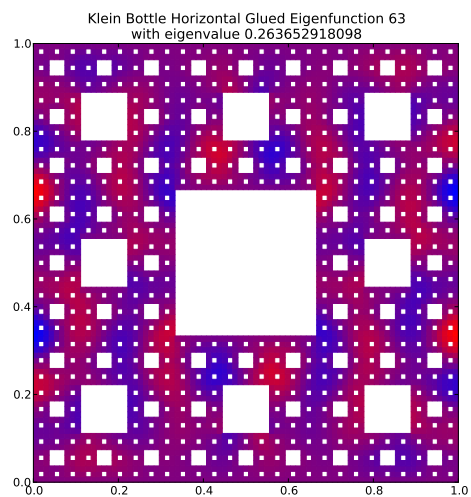
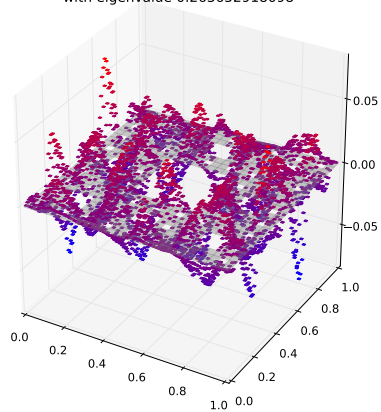
Eigenfunction 62 with eigenvalue 0.261967036733

Klein Bottle Horizontal Glued Eigenfunction 62
with eigenvalue 0.261967036733



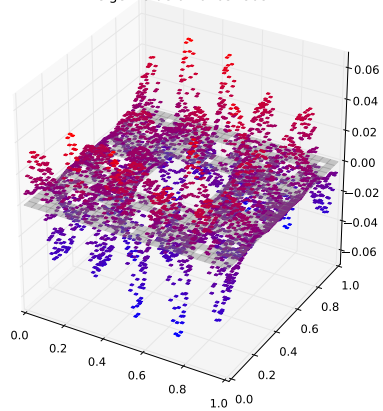
Eigenfunction 63 with eigenvalue 0.263652918098

Klein Bottle Horizontal Glued Eigenfunction 63
with eigenvalue 0.263652918098

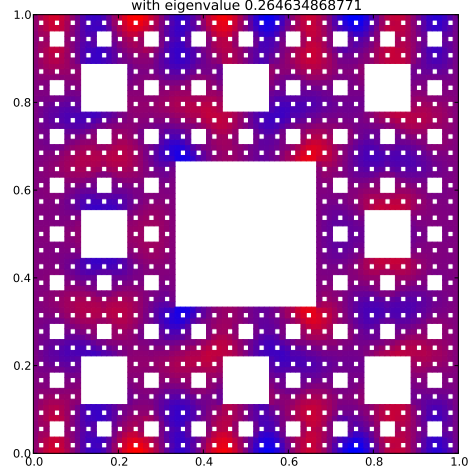


Eigenfunction 64 with eigenvalue 0.264634868771

Klein Bottle Horizontal Glued Eigenfunction 64
with eigenvalue 0.264634868771

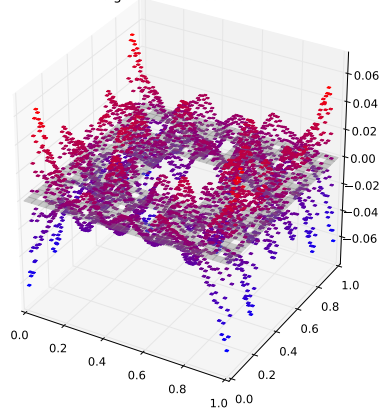


Klein Bottle Horizontal Glued Eigenfunction 64
with eigenvalue 0.264634868771

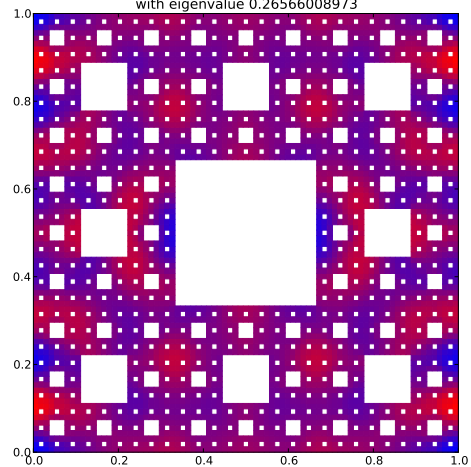


Eigenfunction 65 with eigenvalue 0.26566008973

Klein Bottle Horizontal Glued Eigenfunction 65
with eigenvalue 0.26566008973

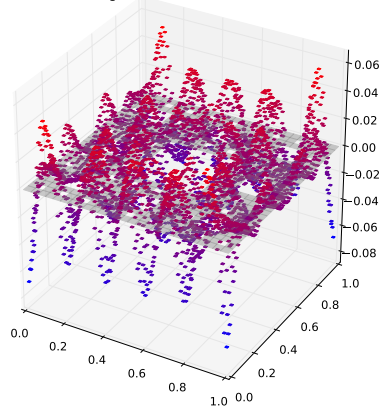


Klein Bottle Horizontal Glued Eigenfunction 65
with eigenvalue 0.26566008973

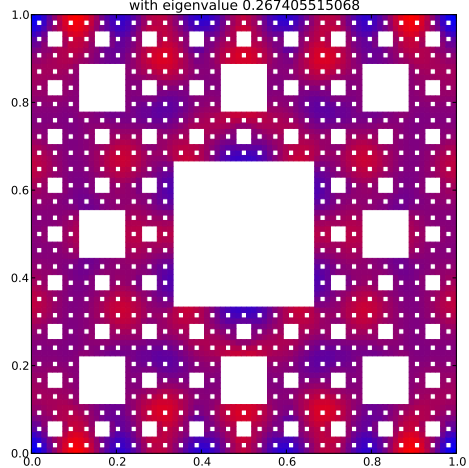


Eigenfunction 66 with eigenvalue 0.267405515068

Klein Bottle Horizontal Glued Eigenfunction 66
with eigenvalue 0.267405515068

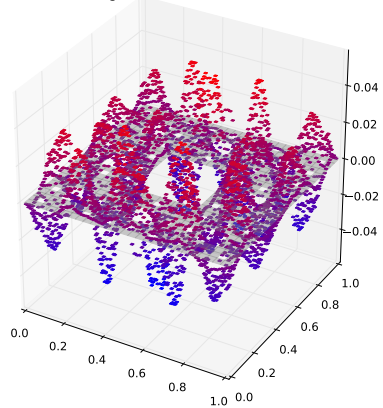


Klein Bottle Horizontal Glued Eigenfunction 66
with eigenvalue 0.267405515068

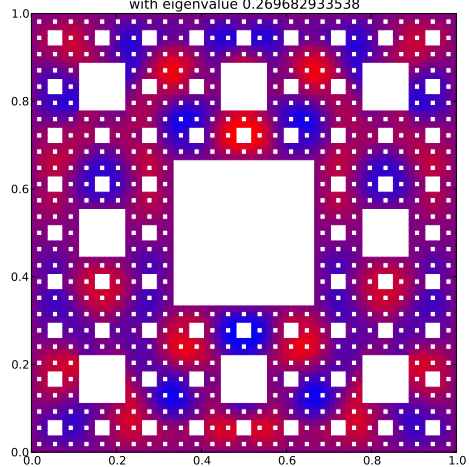


Eigenfunction 67 with eigenvalue 0.269682933538

Klein Bottle Horizontal Glued Eigenfunction 67
with eigenvalue 0.269682933538

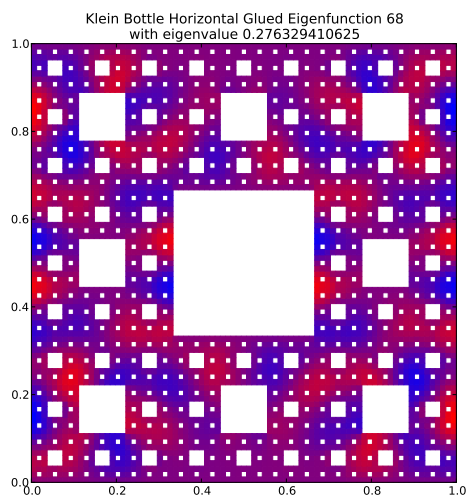
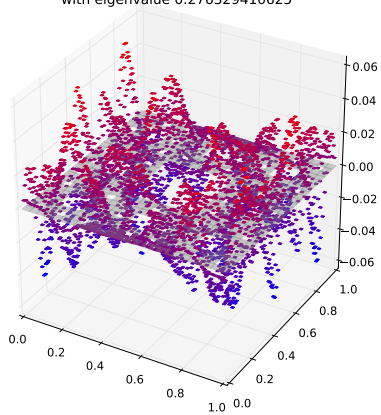


Klein Bottle Horizontal Glued Eigenfunction 67
with eigenvalue 0.269682933538



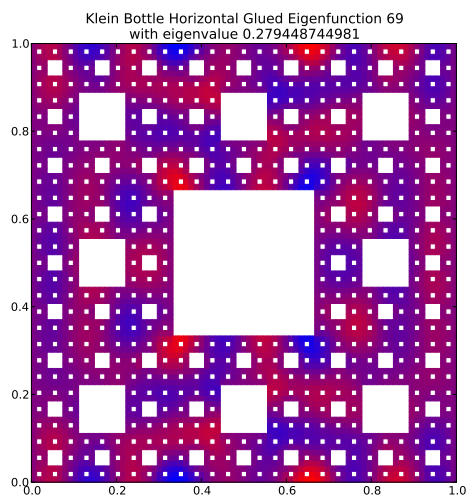
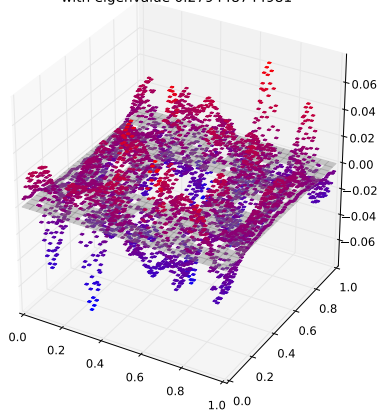
Eigenfunction 68 with eigenvalue 0.276329410625

Klein Bottle Horizontal Glued Eigenfunction 68
with eigenvalue 0.276329410625



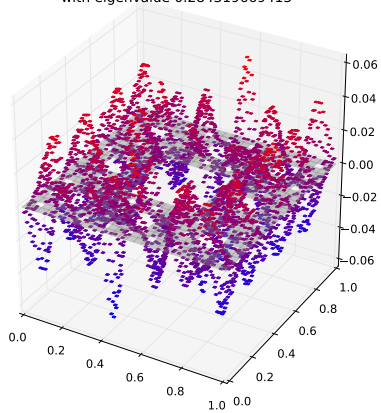
Eigenfunction 69 with eigenvalue 0.279448744981

Klein Bottle Horizontal Glued Eigenfunction 69
with eigenvalue 0.279448744981

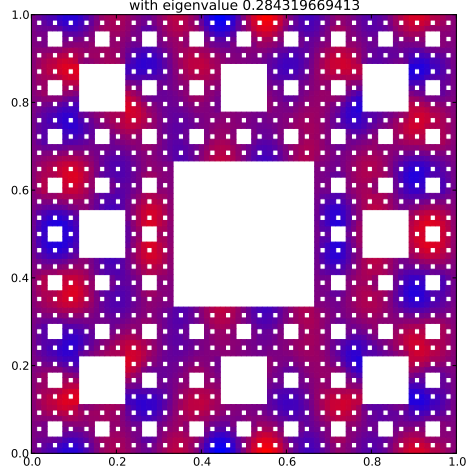


Eigenfunction 70 with eigenvalue 0.284319669413

Klein Bottle Horizontal Glued Eigenfunction 70
with eigenvalue 0.284319669413

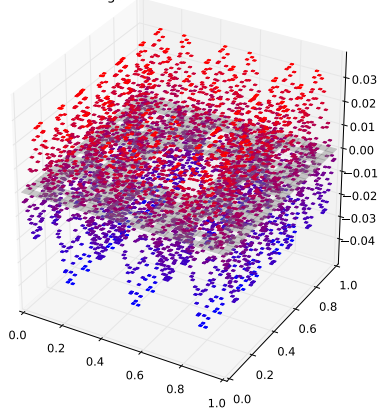


Klein Bottle Horizontal Glued Eigenfunction 70
with eigenvalue 0.284319669413

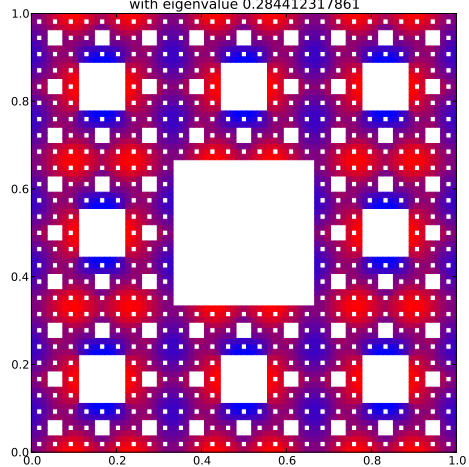


Eigenfunction 71 with eigenvalue 0.284412317861

Klein Bottle Horizontal Glued Eigenfunction 71
with eigenvalue 0.284412317861

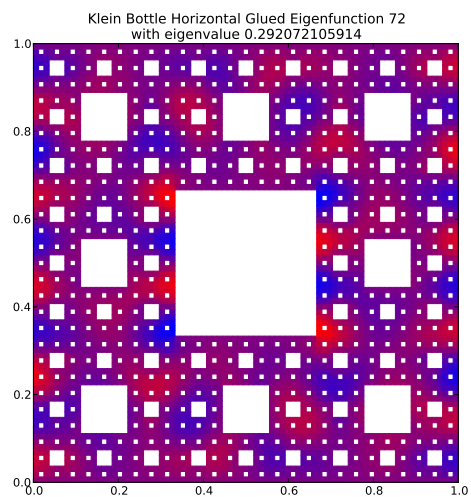
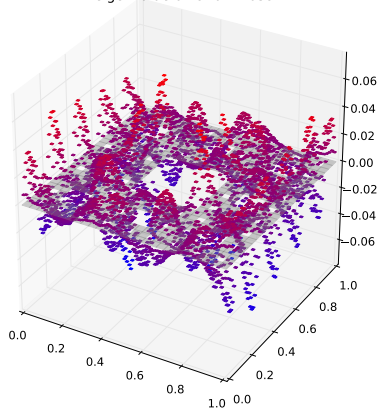


Klein Bottle Horizontal Glued Eigenfunction 71
with eigenvalue 0.284412317861



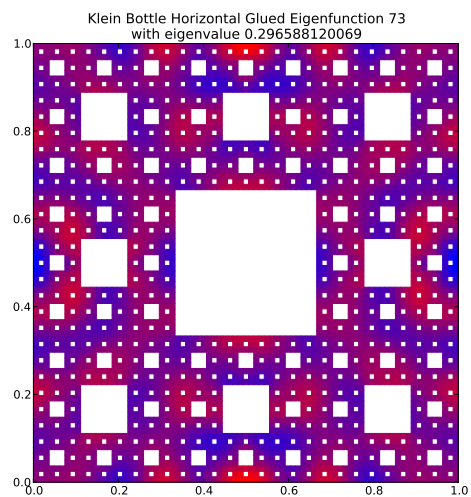
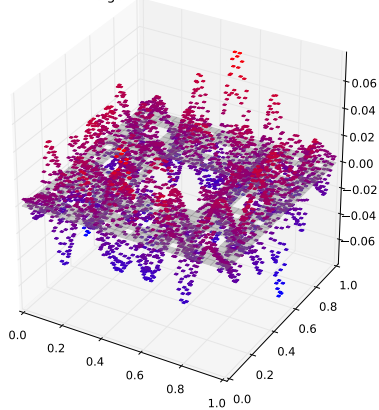
Eigenfunction 72 with eigenvalue 0.292072105914

Klein Bottle Horizontal Glued Eigenfunction 72
with eigenvalue 0.292072105914



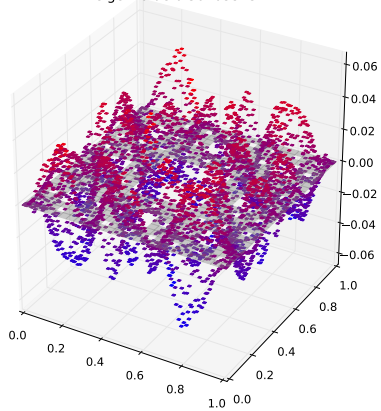
Eigenfunction 73 with eigenvalue 0.296588120069

Klein Bottle Horizontal Glued Eigenfunction 73
with eigenvalue 0.296588120069

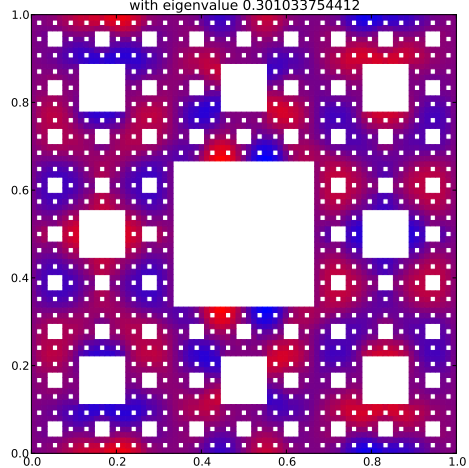


Eigenfunction 74 with eigenvalue 0.301033754412

Klein Bottle Horizontal Glued Eigenfunction 74
with eigenvalue 0.301033754412

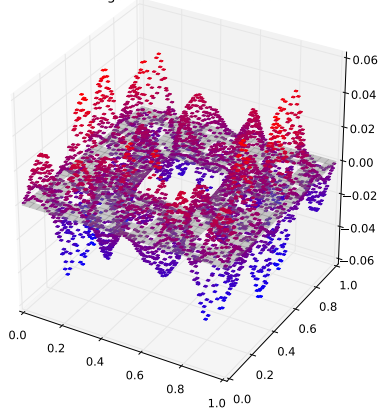


Klein Bottle Horizontal Glued Eigenfunction 74
with eigenvalue 0.301033754412

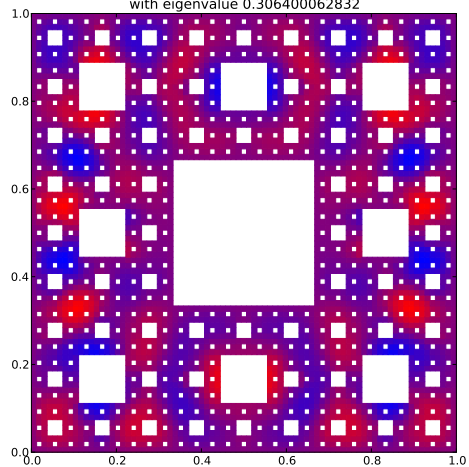


Eigenfunction 75 with eigenvalue 0.306400062832

Klein Bottle Horizontal Glued Eigenfunction 75
with eigenvalue 0.306400062832

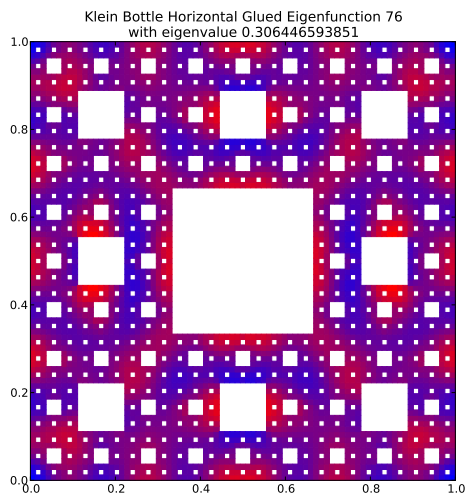
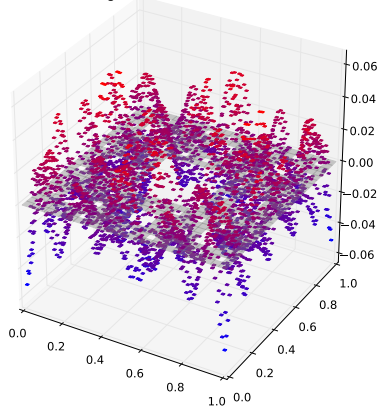


Klein Bottle Horizontal Glued Eigenfunction 75
with eigenvalue 0.306400062832



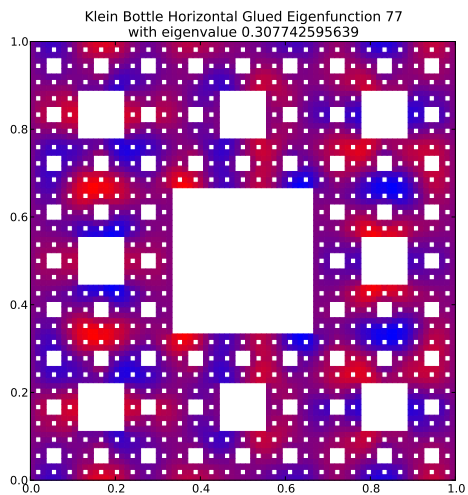
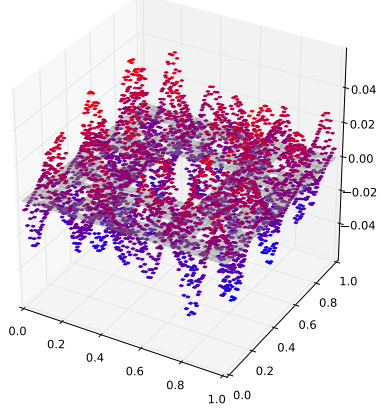
Eigenfunction 76 with eigenvalue 0.306446593851

Klein Bottle Horizontal Glued Eigenfunction 76
with eigenvalue 0.306446593851



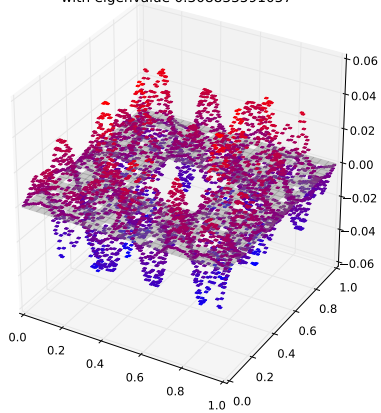
Eigenfunction 77 with eigenvalue 0.307742595639

Klein Bottle Horizontal Glued Eigenfunction 77
with eigenvalue 0.307742595639

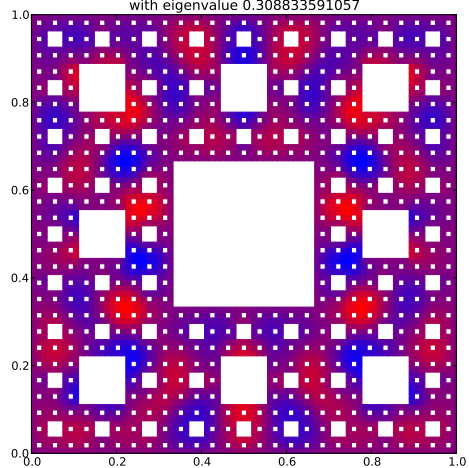


Eigenfunction 78 with eigenvalue 0.308833591057

Klein Bottle Horizontal Glued Eigenfunction 78
with eigenvalue 0.308833591057

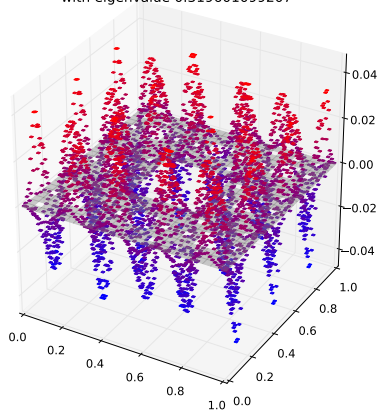


Klein Bottle Horizontal Glued Eigenfunction 78
with eigenvalue 0.308833591057

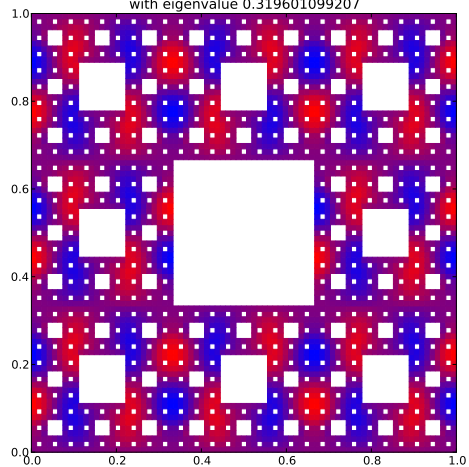


Eigenfunction 79 with eigenvalue 0.319601099207

Klein Bottle Horizontal Glued Eigenfunction 79
with eigenvalue 0.319601099207

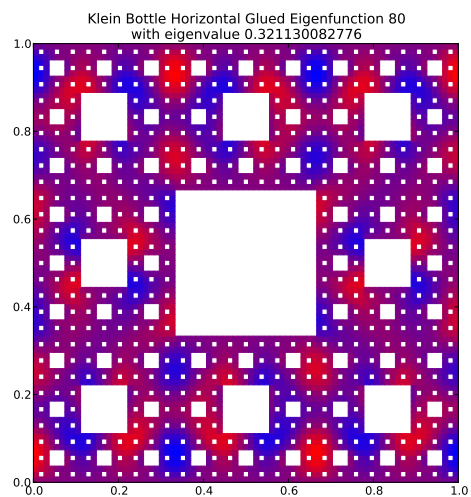
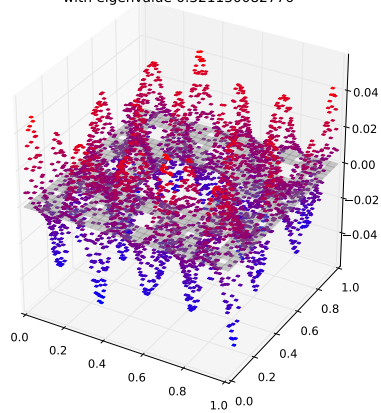


Klein Bottle Horizontal Glued Eigenfunction 79
with eigenvalue 0.319601099207



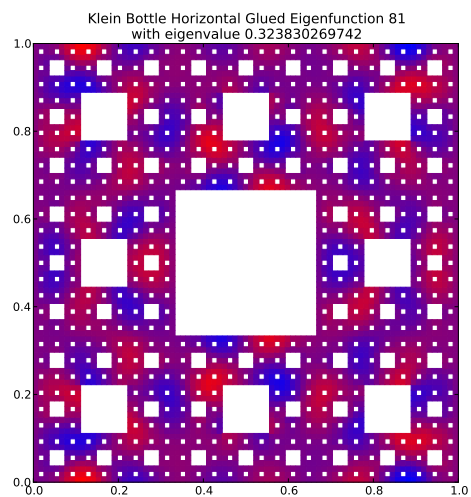
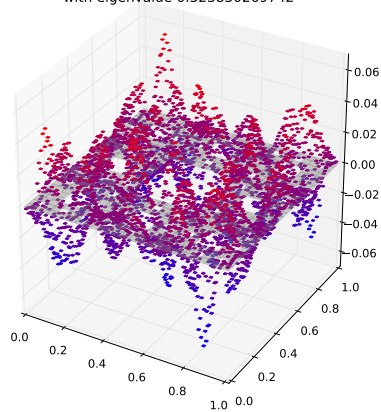
Eigenfunction 80 with eigenvalue 0.321130082776

Klein Bottle Horizontal Glued Eigenfunction 80
with eigenvalue 0.321130082776



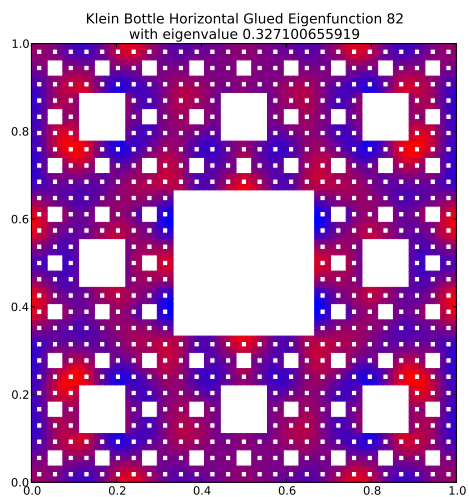
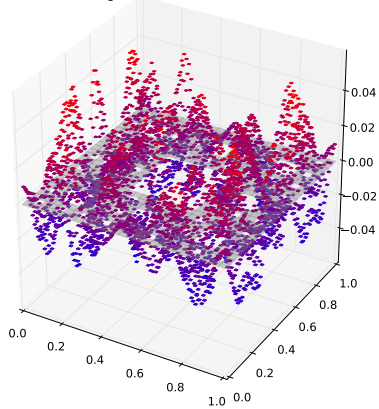
Eigenfunction 81 with eigenvalue 0.323830269742

Klein Bottle Horizontal Glued Eigenfunction 81
with eigenvalue 0.323830269742



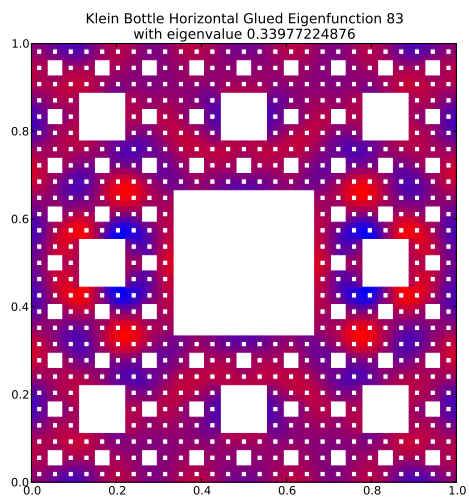
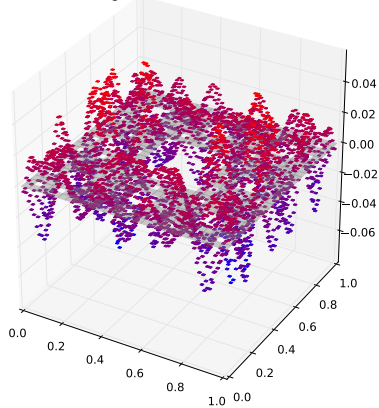
Eigenfunction 82 with eigenvalue 0.32710065919

Klein Bottle Horizontal Glued Eigenfunction 82
with eigenvalue 0.32710065919



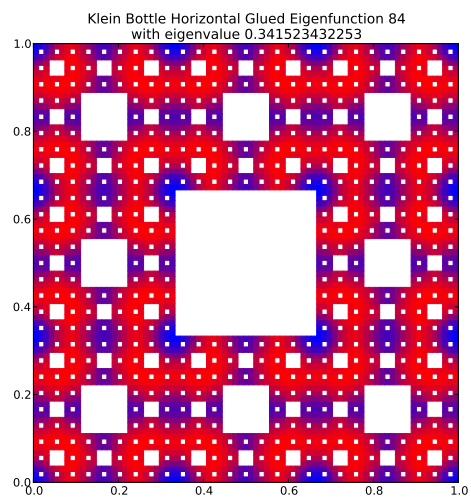
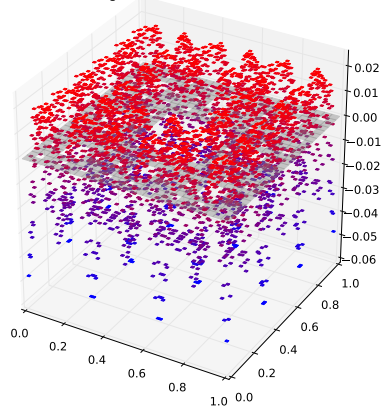
Eigenfunction 83 with eigenvalue 0.33977224876

Klein Bottle Horizontal Glued Eigenfunction 83
with eigenvalue 0.33977224876



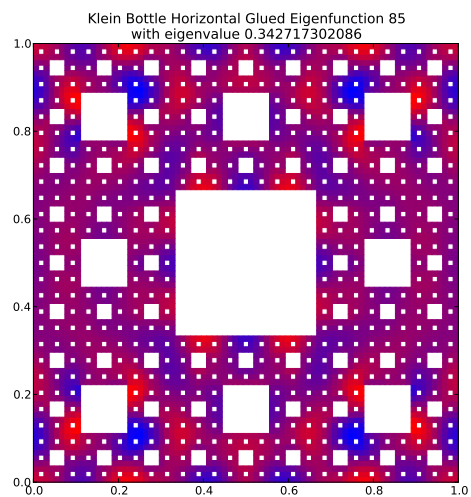
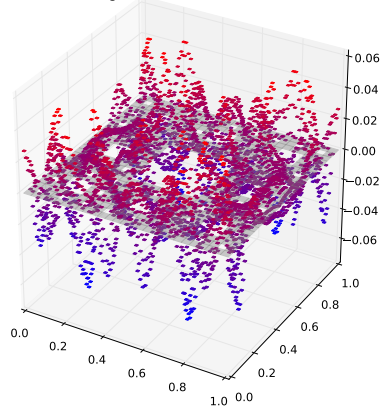
Eigenfunction 84 with eigenvalue 0.341523432253

Klein Bottle Horizontal Glued Eigenfunction 84
with eigenvalue 0.341523432253



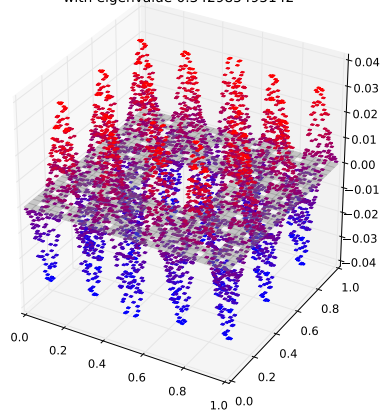
Eigenfunction 85 with eigenvalue 0.342717302086

Klein Bottle Horizontal Glued Eigenfunction 85
with eigenvalue 0.342717302086

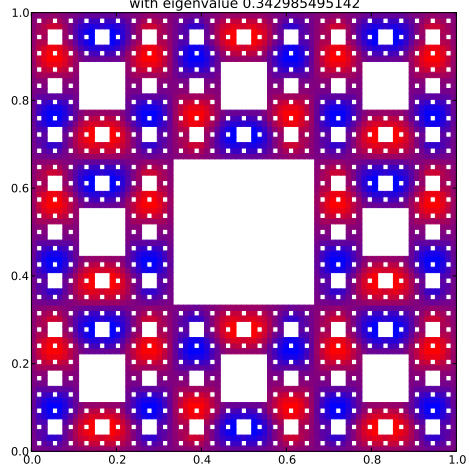


Eigenfunction 86 with eigenvalue 0.342985495142

Klein Bottle Horizontal Glued Eigenfunction 86
with eigenvalue 0.342985495142

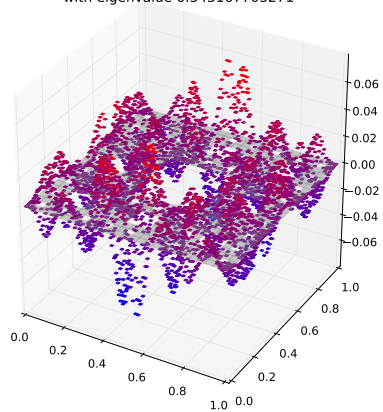


Klein Bottle Horizontal Glued Eigenfunction 86
with eigenvalue 0.342985495142

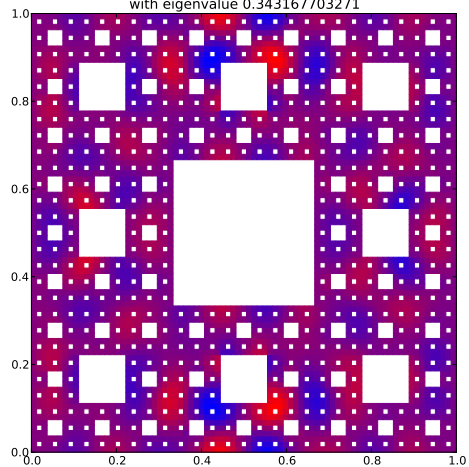


Eigenfunction 87 with eigenvalue 0.343167703271

Klein Bottle Horizontal Glued Eigenfunction 87
with eigenvalue 0.343167703271

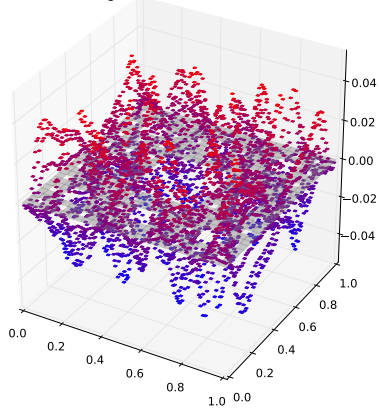


Klein Bottle Horizontal Glued Eigenfunction 87
with eigenvalue 0.343167703271

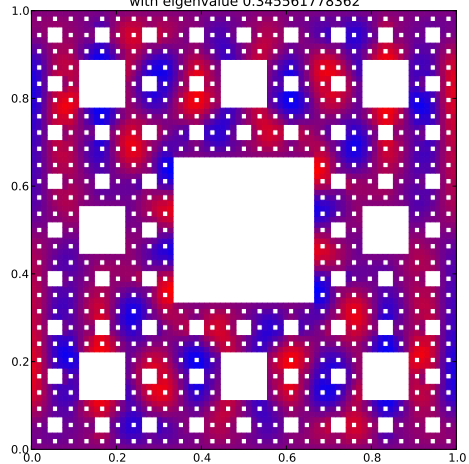


Eigenfunction 88 with eigenvalue 0.345561778362

Klein Bottle Horizontal Glued Eigenfunction 88
with eigenvalue 0.345561778362

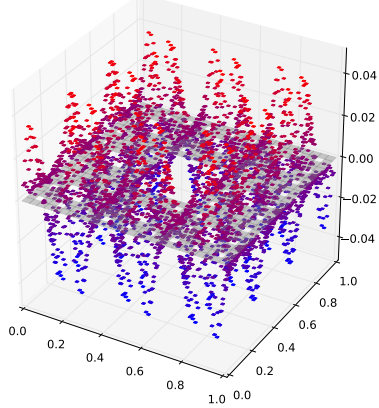


Klein Bottle Horizontal Glued Eigenfunction 88
with eigenvalue 0.345561778362

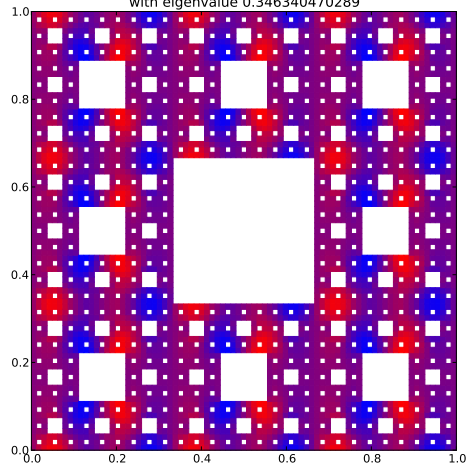


Eigenfunction 89 with eigenvalue 0.346340470289

Klein Bottle Horizontal Glued Eigenfunction 89
with eigenvalue 0.346340470289

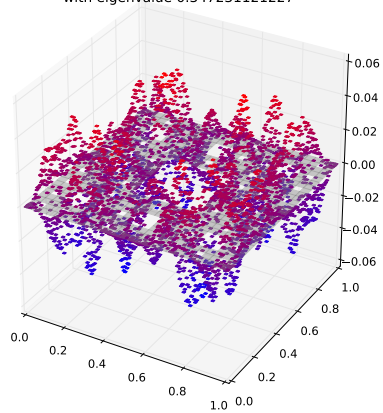


Klein Bottle Horizontal Glued Eigenfunction 89
with eigenvalue 0.346340470289

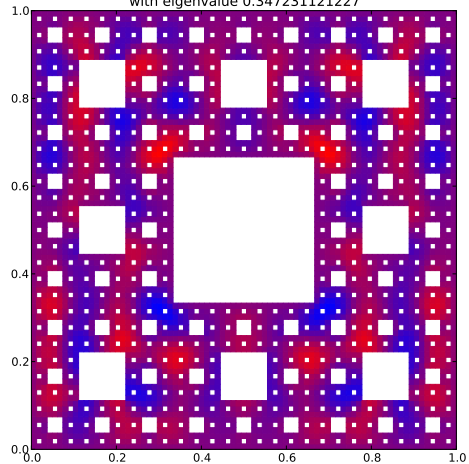


Eigenfunction 90 with eigenvalue 0.347231121227

Klein Bottle Horizontal Glued Eigenfunction 90
with eigenvalue 0.347231121227

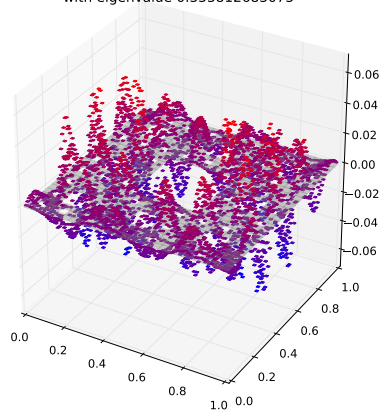


Klein Bottle Horizontal Glued Eigenfunction 90
with eigenvalue 0.347231121227

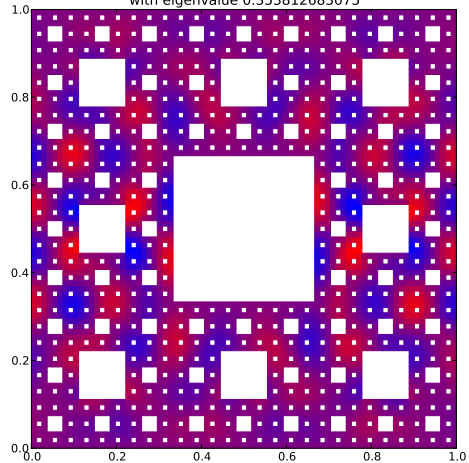


Eigenfunction 91 with eigenvalue 0.353812683075

Klein Bottle Horizontal Glued Eigenfunction 91
with eigenvalue 0.353812683075

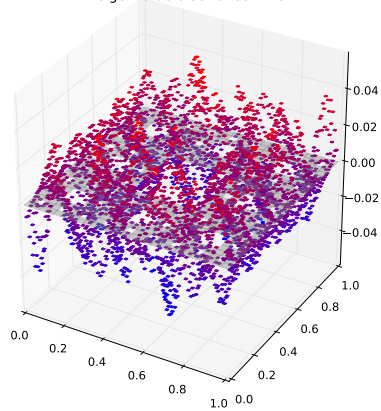


Klein Bottle Horizontal Glued Eigenfunction 91
with eigenvalue 0.353812683075

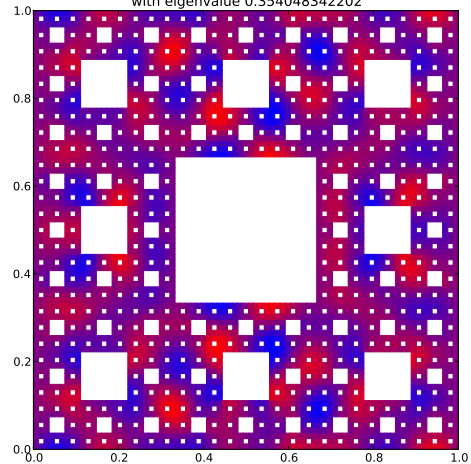


Eigenfunction 92 with eigenvalue 0.354048342202

Klein Bottle Horizontal Glued Eigenfunction 92
with eigenvalue 0.354048342202

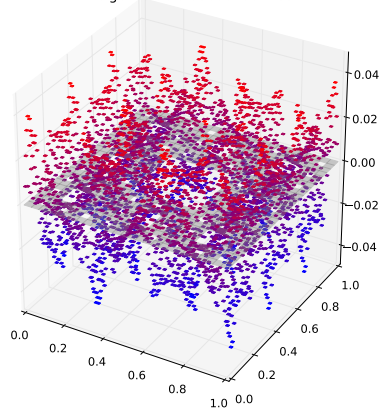


Klein Bottle Horizontal Glued Eigenfunction 92
with eigenvalue 0.354048342202

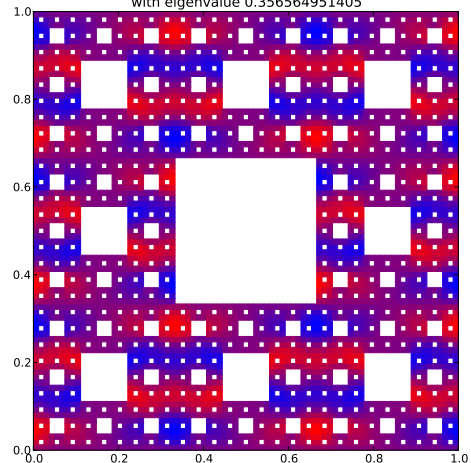


Eigenfunction 93 with eigenvalue 0.356564951405

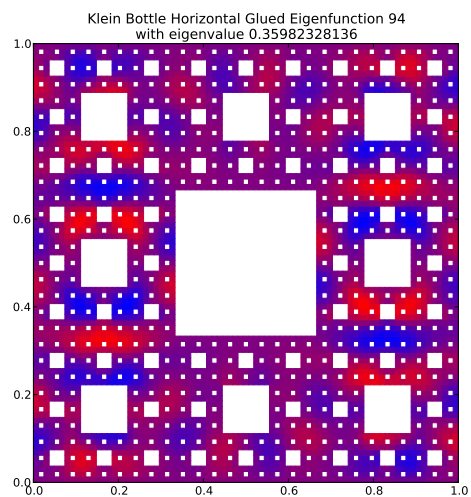
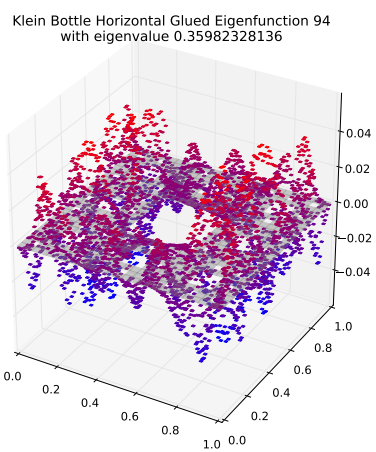
Klein Bottle Horizontal Glued Eigenfunction 93
with eigenvalue 0.356564951405



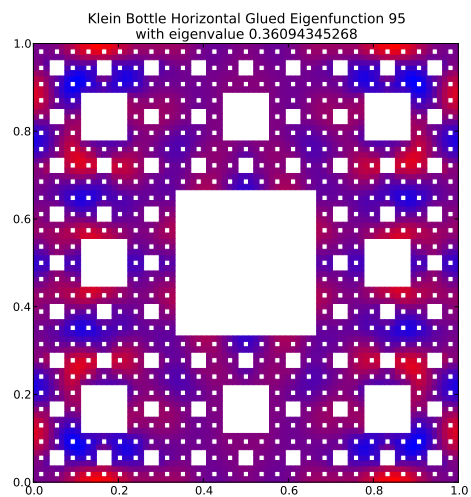
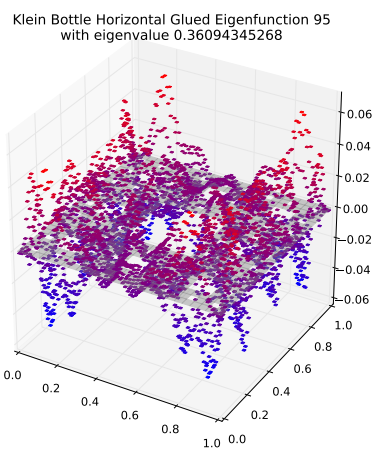
Klein Bottle Horizontal Glued Eigenfunction 93
with eigenvalue 0.356564951405



Eigenfunction 94 with eigenvalue 0.35982328136

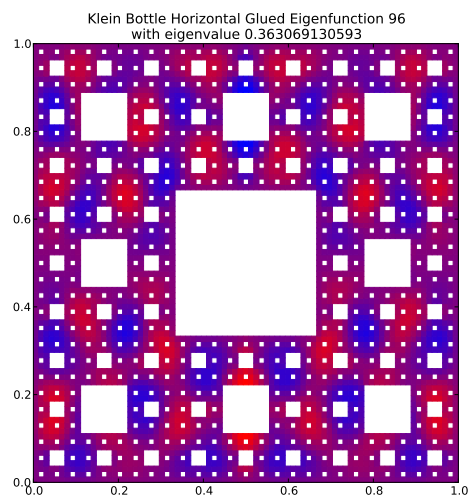
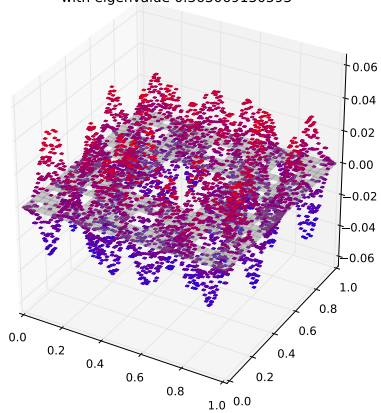


Eigenfunction 95 with eigenvalue 0.36094345268



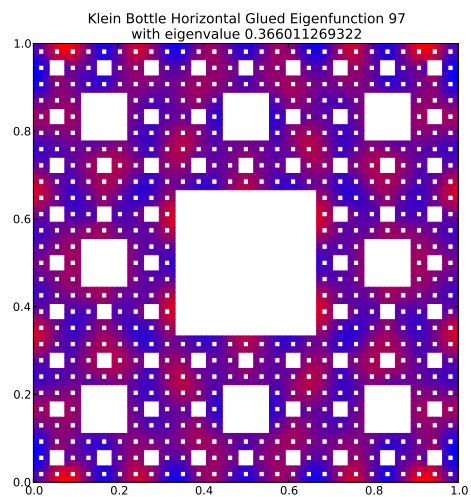
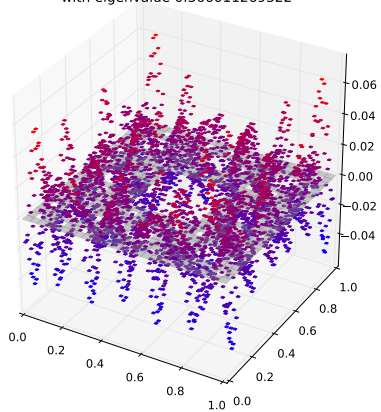
Eigenfunction 96 with eigenvalue 0.363069130593

Klein Bottle Horizontal Glued Eigenfunction 96
with eigenvalue 0.363069130593



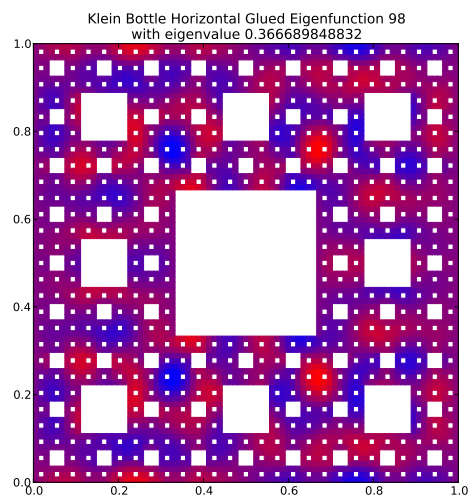
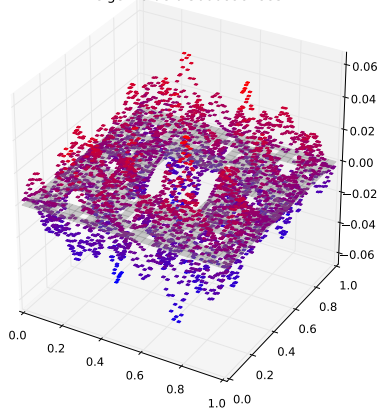
Eigenfunction 97 with eigenvalue 0.366011269322

Klein Bottle Horizontal Glued Eigenfunction 97
with eigenvalue 0.366011269322



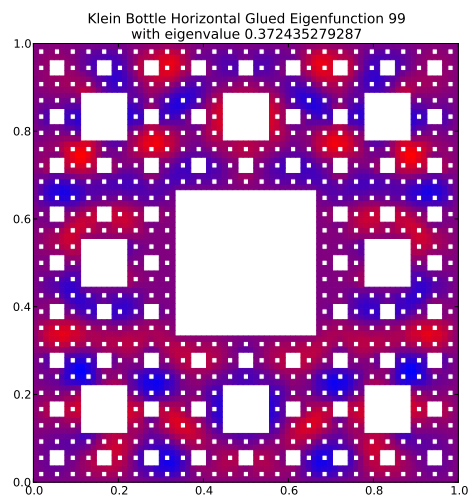
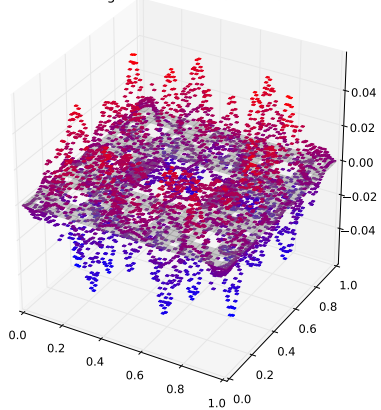
Eigenfunction 98 with eigenvalue 0.366689848832

Klein Bottle Horizontal Glued Eigenfunction 98
with eigenvalue 0.366689848832

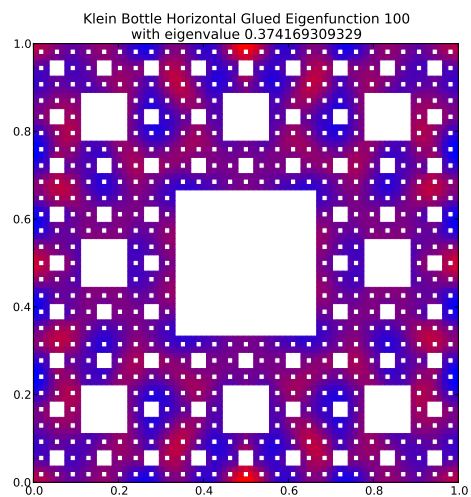
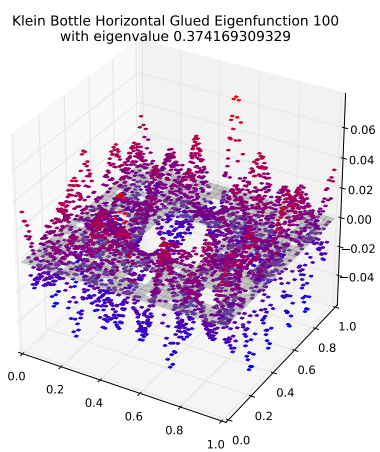


Eigenfunction 99 with eigenvalue 0.372435279287

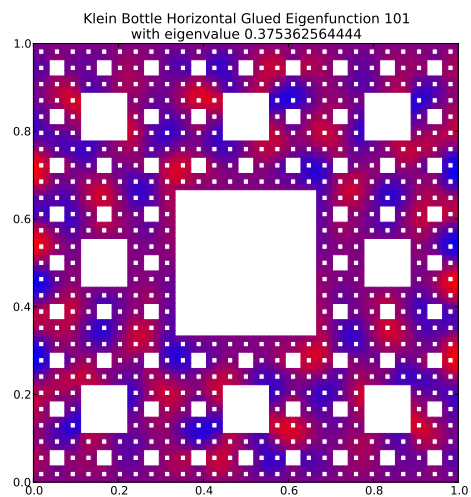
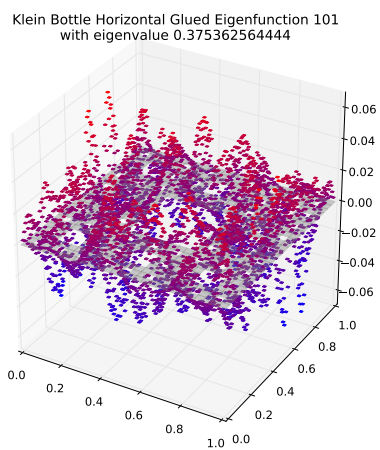
Klein Bottle Horizontal Glued Eigenfunction 99
with eigenvalue 0.372435279287



Eigenfunction 100 with eigenvalue 0.374169309329

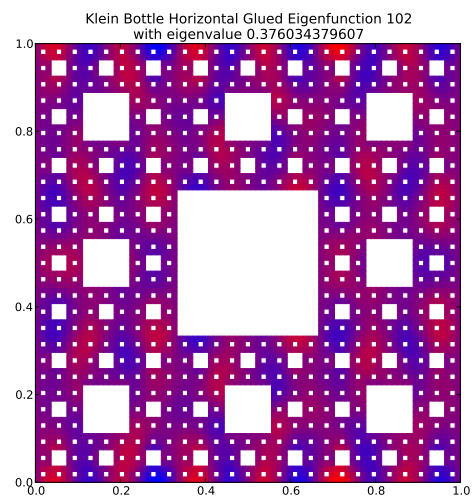
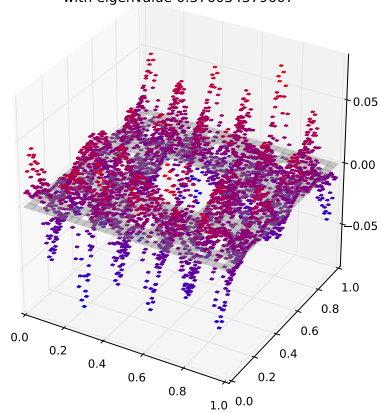


Eigenfunction 101 with eigenvalue 0.375362564444



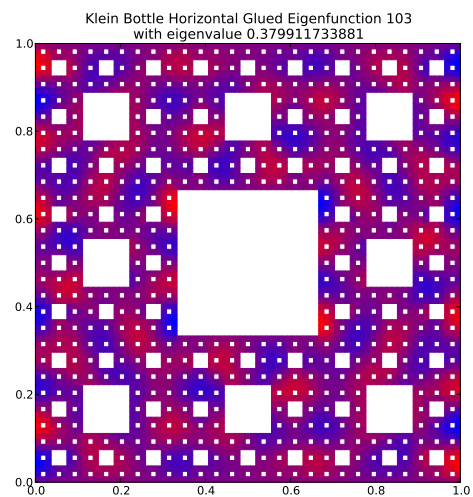
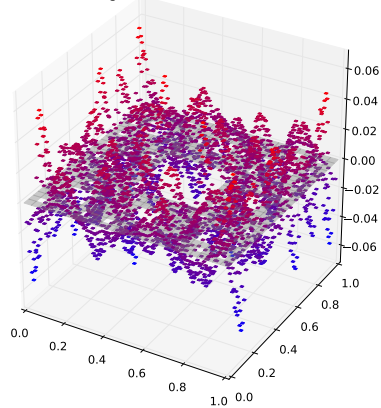
Eigenfunction 102 with eigenvalue 0.376034379607

Klein Bottle Horizontal Glued Eigenfunction 102
with eigenvalue 0.376034379607

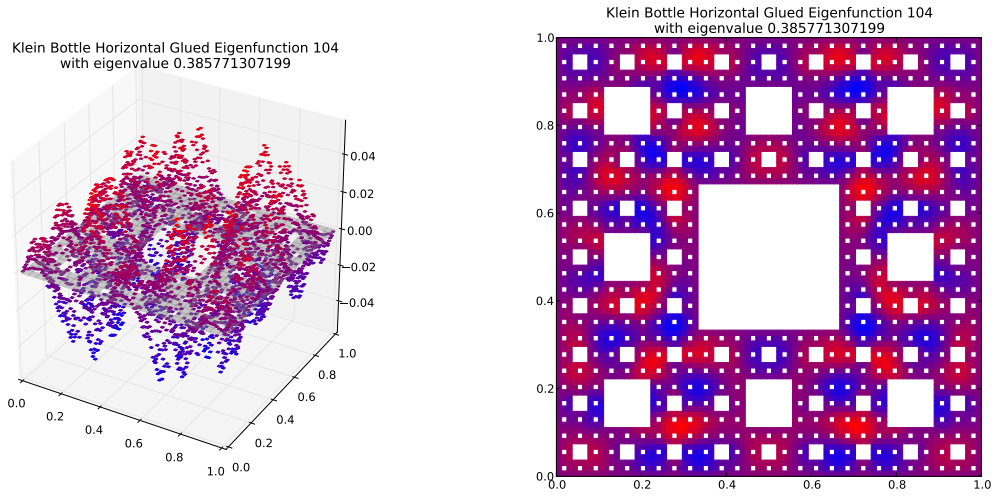


Eigenfunction 103 with eigenvalue 0.379911733881

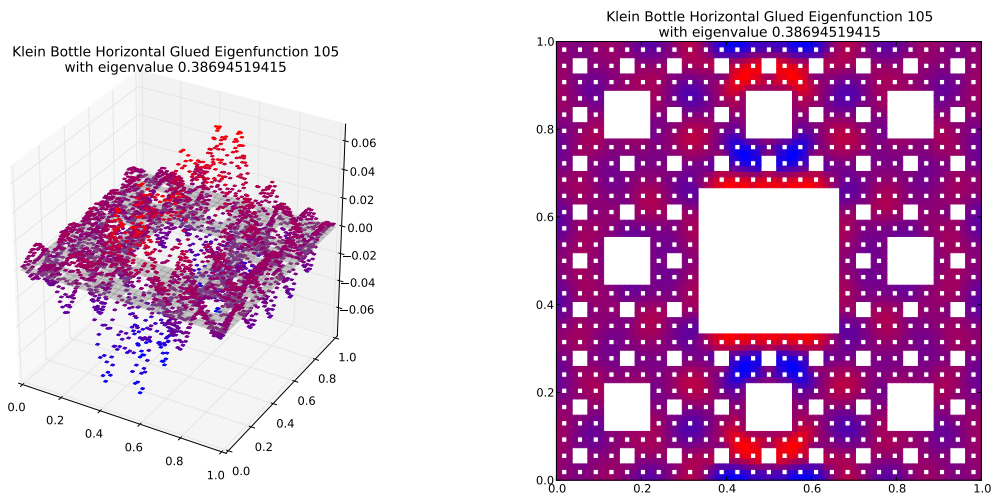
Klein Bottle Horizontal Glued Eigenfunction 103
with eigenvalue 0.379911733881



Eigenfunction 104 with eigenvalue 0.385771307199

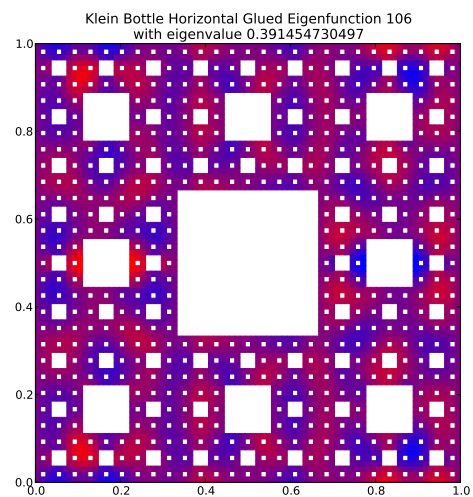
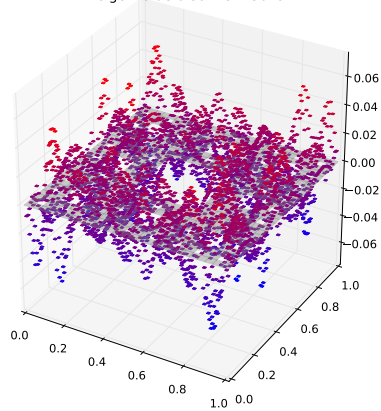


Eigenfunction 105 with eigenvalue 0.38694519415



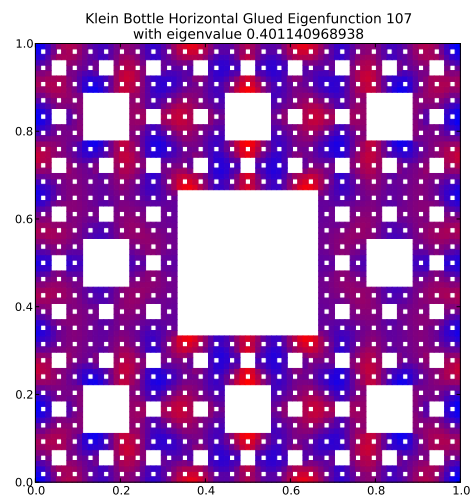
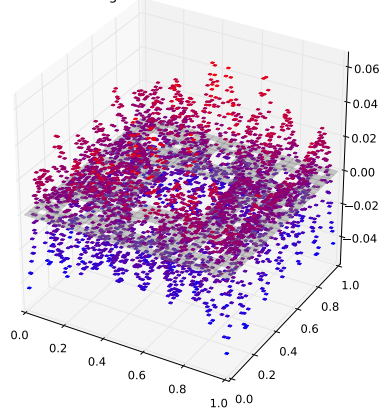
Eigenfunction 106 with eigenvalue 0.391454730497

Klein Bottle Horizontal Glued Eigenfunction 106
with eigenvalue 0.391454730497



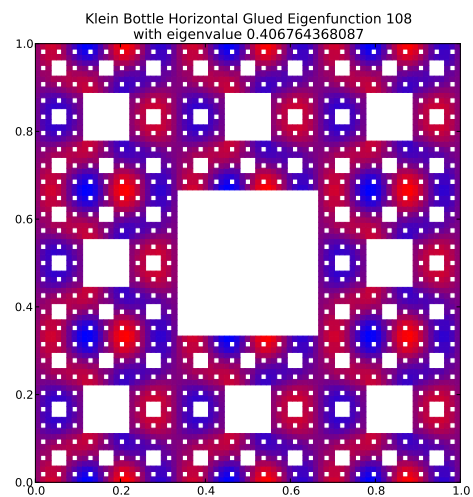
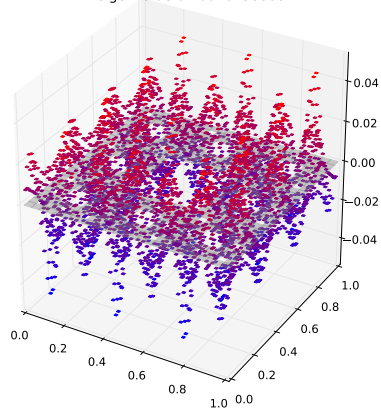
Eigenfunction 107 with eigenvalue 0.401140968938

Klein Bottle Horizontal Glued Eigenfunction 107
with eigenvalue 0.401140968938



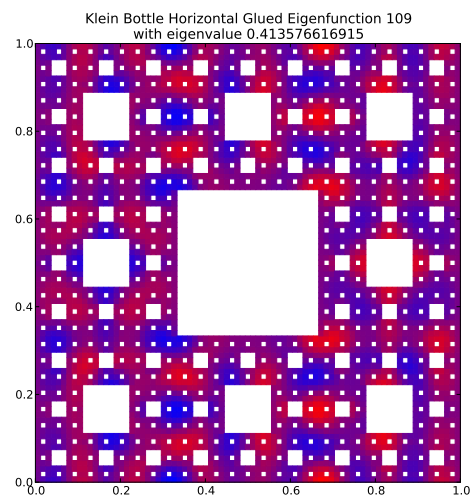
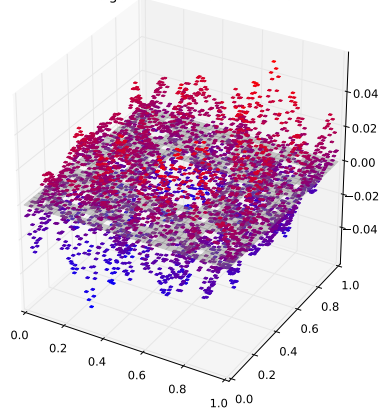
Eigenfunction 108 with eigenvalue 0.406764368087

Klein Bottle Horizontal Glued Eigenfunction 108
with eigenvalue 0.406764368087

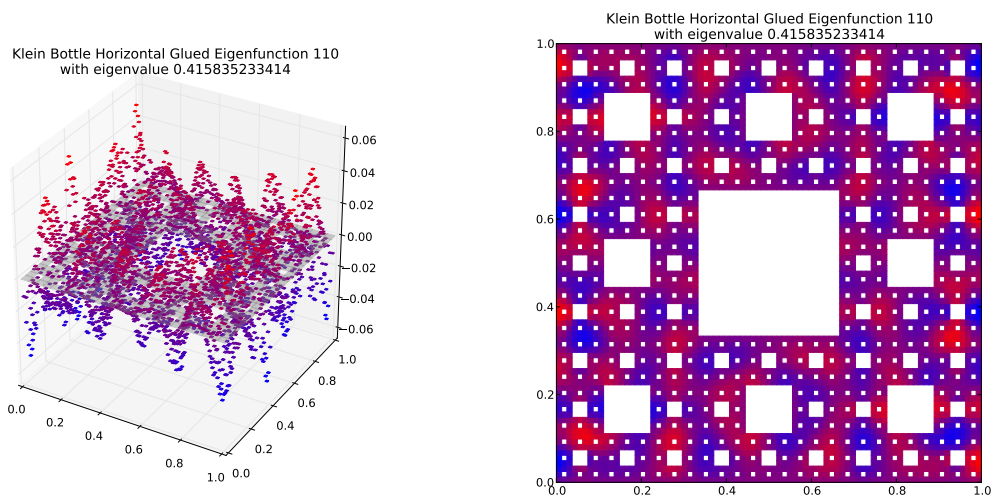


Eigenfunction 109 with eigenvalue 0.413576616915

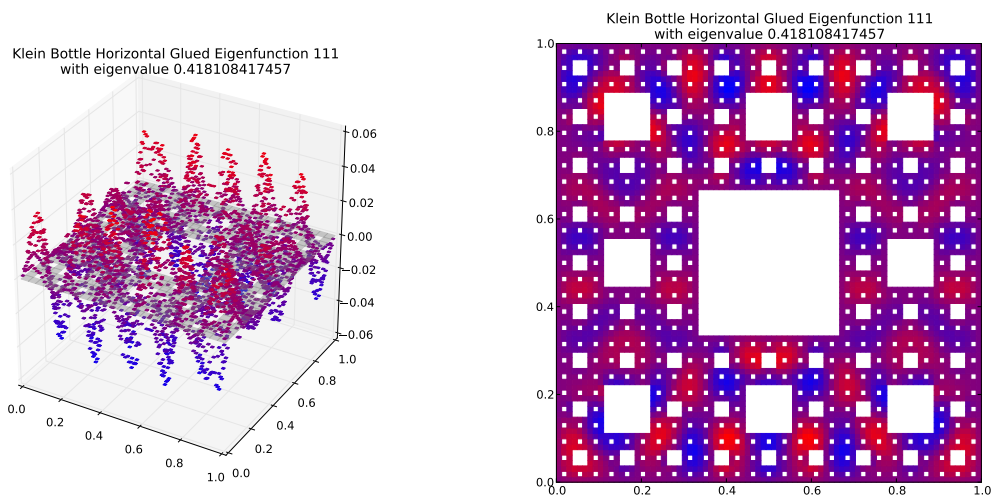
Klein Bottle Horizontal Glued Eigenfunction 109
with eigenvalue 0.413576616915



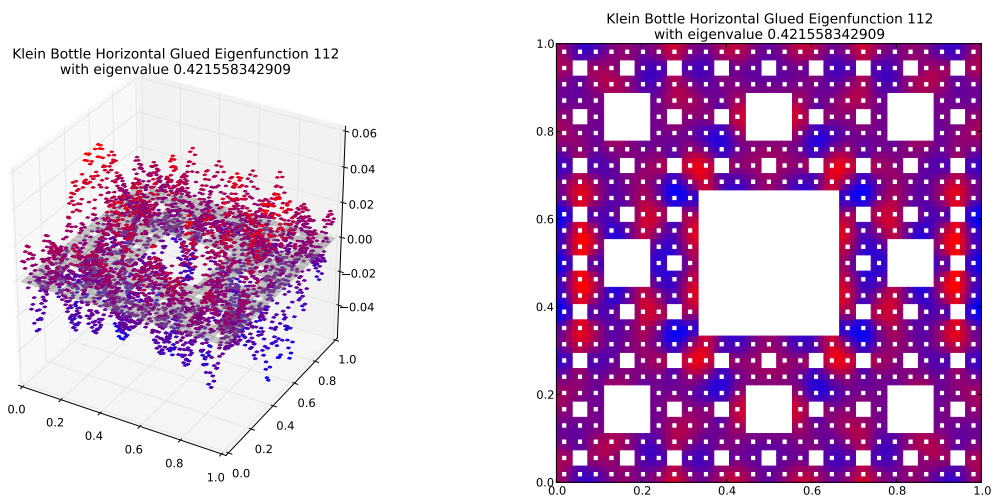
Eigenfunction 110 with eigenvalue 0.415835233414



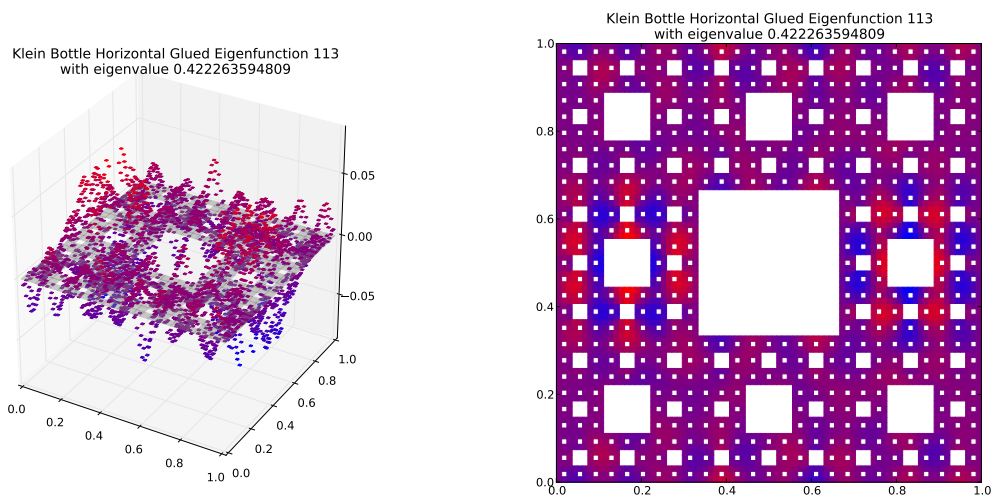
Eigenfunction 111 with eigenvalue 0.418108417457



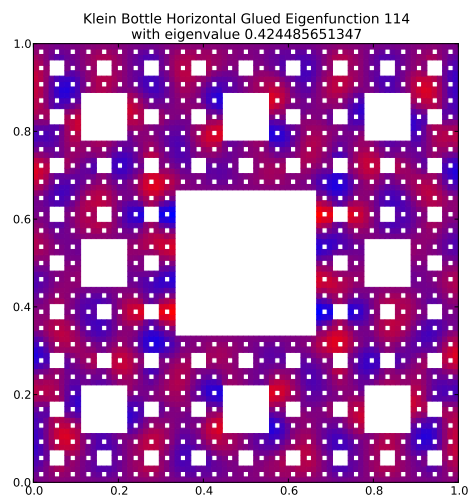
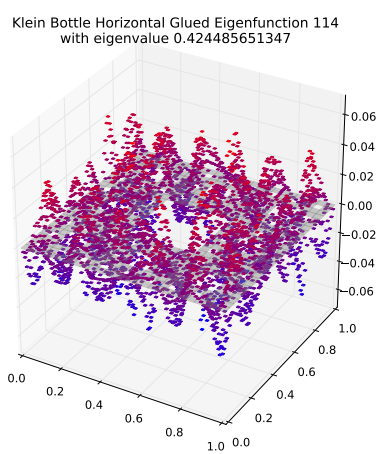
Eigenfunction 112 with eigenvalue 0.421558342909



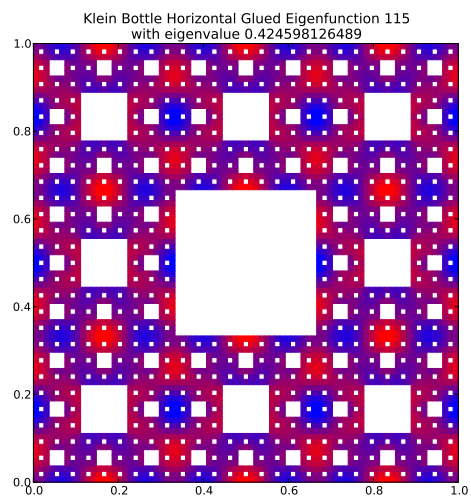
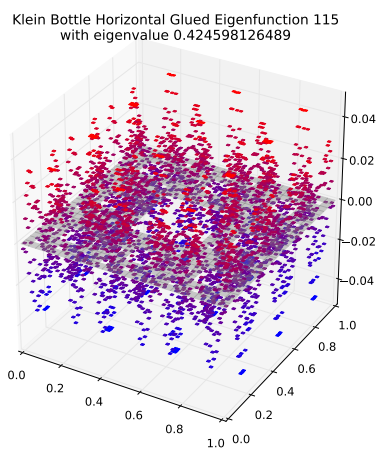
Eigenfunction 113 with eigenvalue 0.422263594809



Eigenfunction 114 with eigenvalue 0.424485651347

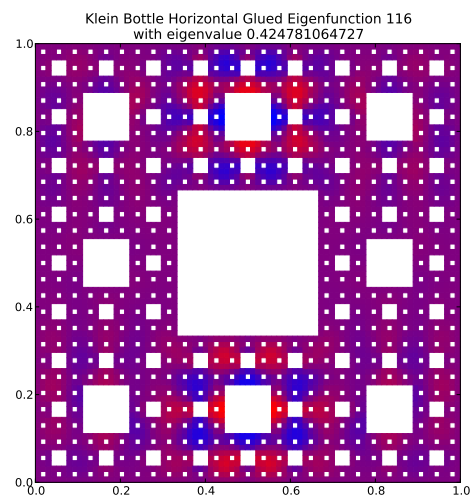
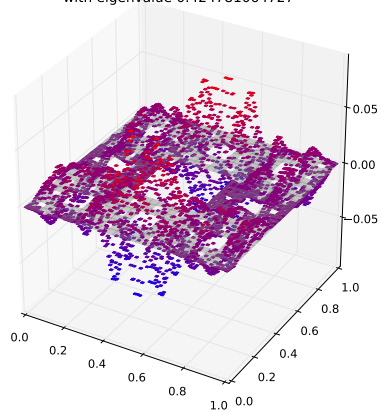


Eigenfunction 115 with eigenvalue 0.424598126489



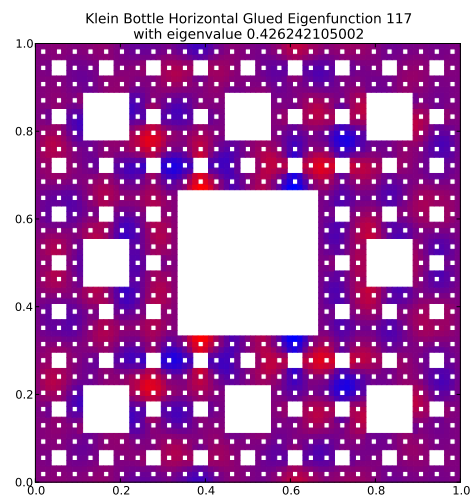
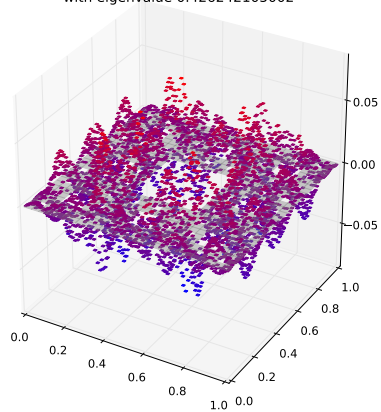
Eigenfunction 116 with eigenvalue 0.424781064727

Klein Bottle Horizontal Glued Eigenfunction 116
with eigenvalue 0.424781064727



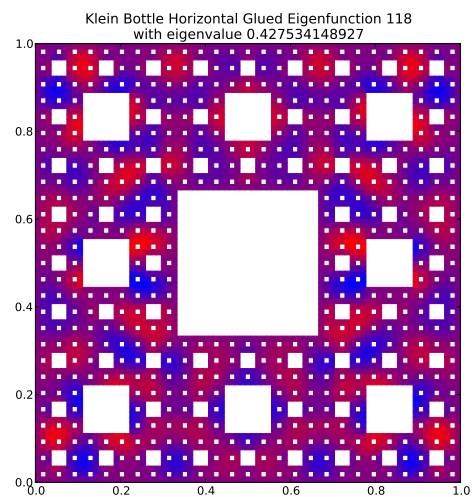
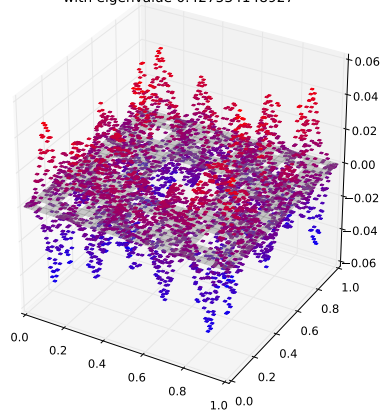
Eigenfunction 117 with eigenvalue 0.426242105002

Klein Bottle Horizontal Glued Eigenfunction 117
with eigenvalue 0.426242105002



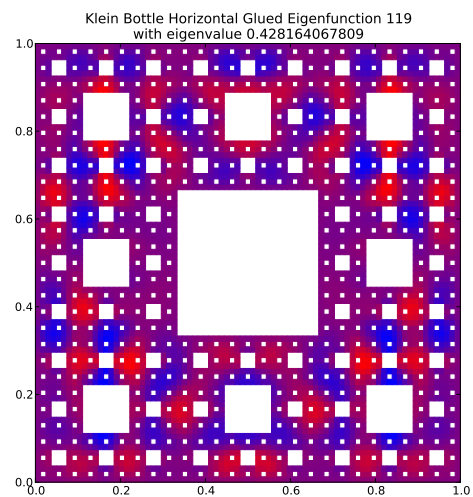
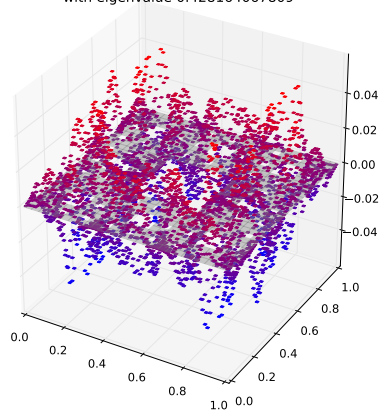
Eigenfunction 118 with eigenvalue 0.427534148927

Klein Bottle Horizontal Glued Eigenfunction 118
with eigenvalue 0.427534148927



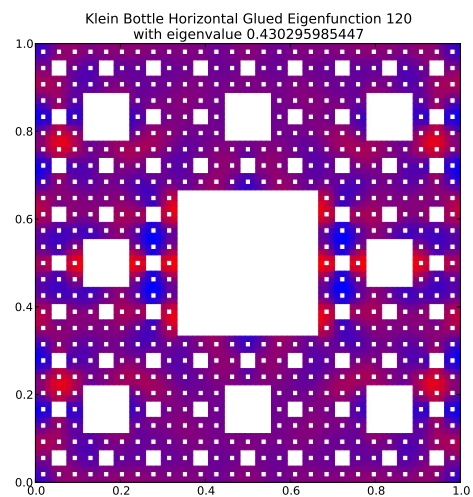
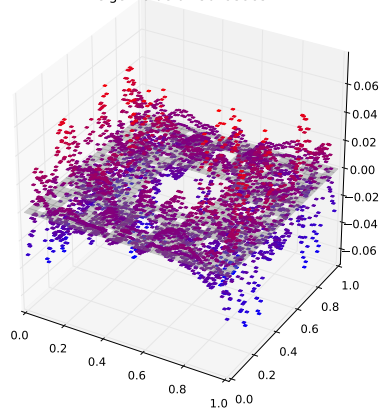
Eigenfunction 119 with eigenvalue 0.428164067809

Klein Bottle Horizontal Glued Eigenfunction 119
with eigenvalue 0.428164067809



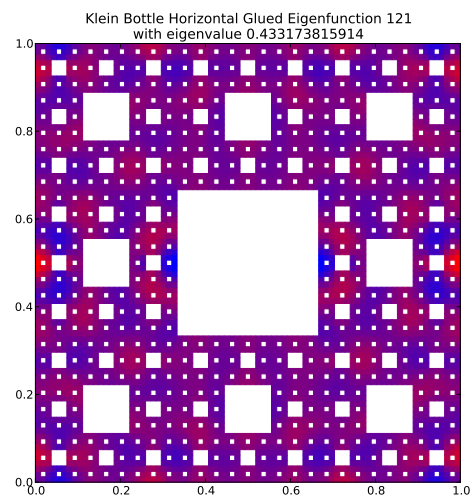
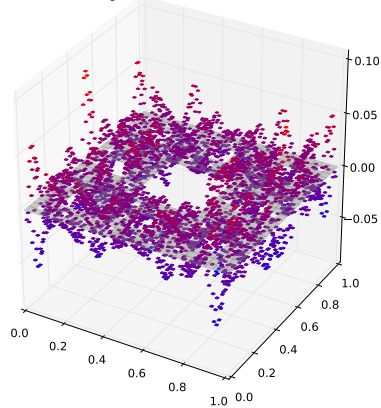
Eigenfunction 120 with eigenvalue 0.430295985447

Klein Bottle Horizontal Glued Eigenfunction 120
with eigenvalue 0.430295985447

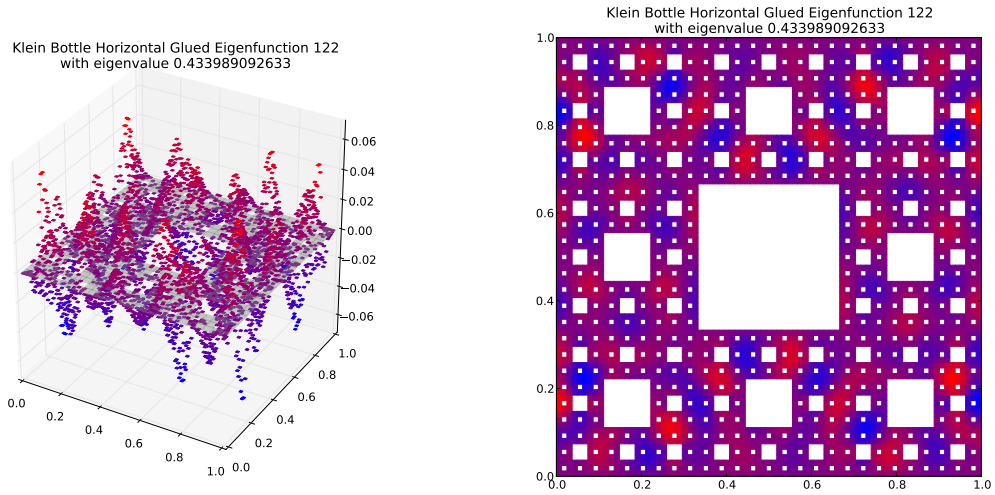


Eigenfunction 121 with eigenvalue 0.433173815914

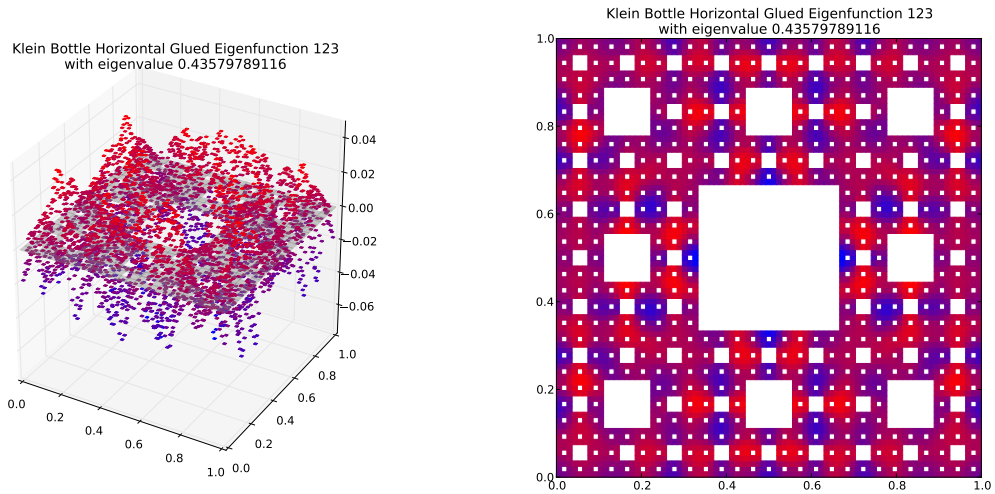
Klein Bottle Horizontal Glued Eigenfunction 121
with eigenvalue 0.433173815914



Eigenfunction 122 with eigenvalue 0.433989092633

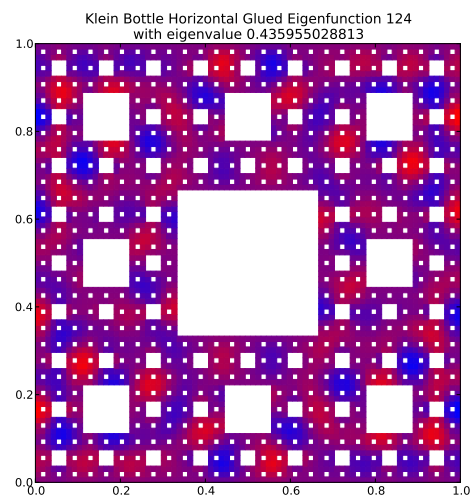
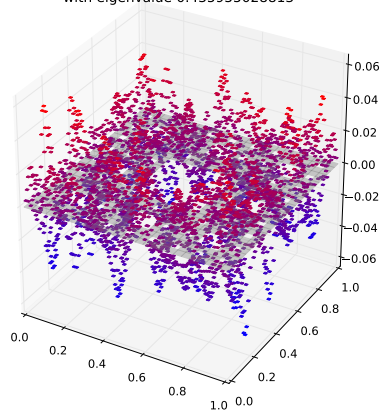


Eigenfunction 123 with eigenvalue 0.43579789116



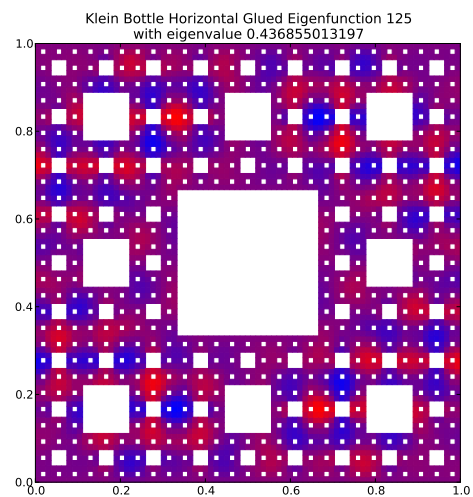
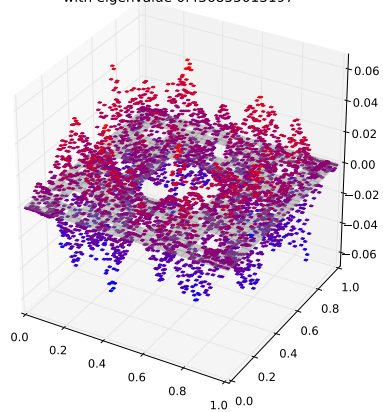
Eigenfunction 124 with eigenvalue 0.435955028813

Klein Bottle Horizontal Glued Eigenfunction 124
with eigenvalue 0.435955028813



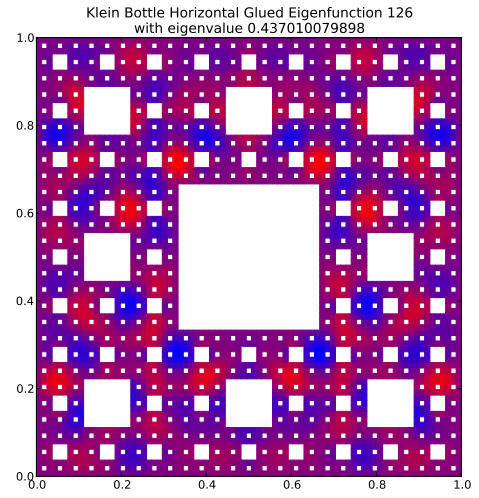
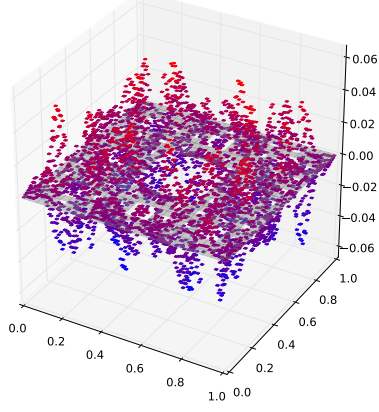
Eigenfunction 125 with eigenvalue 0.436855013197

Klein Bottle Horizontal Glued Eigenfunction 125
with eigenvalue 0.436855013197



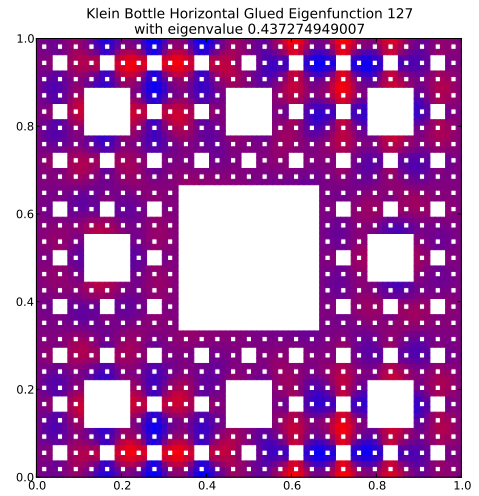
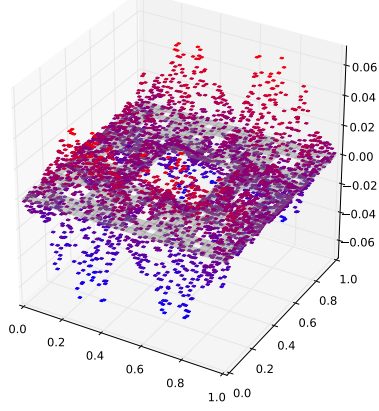
Eigenfunction 126 with eigenvalue 0.437010079898

Klein Bottle Horizontal Glued Eigenfunction 126
with eigenvalue 0.437010079898



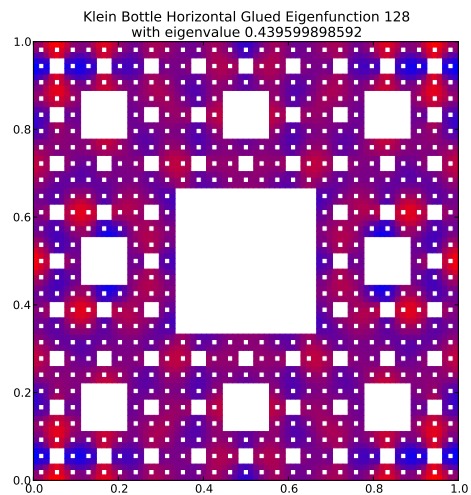
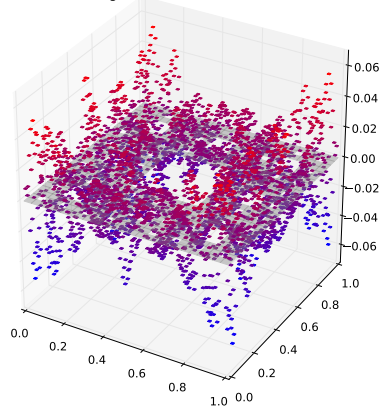
Eigenfunction 127 with eigenvalue 0.437274949007

Klein Bottle Horizontal Glued Eigenfunction 127
with eigenvalue 0.437274949007



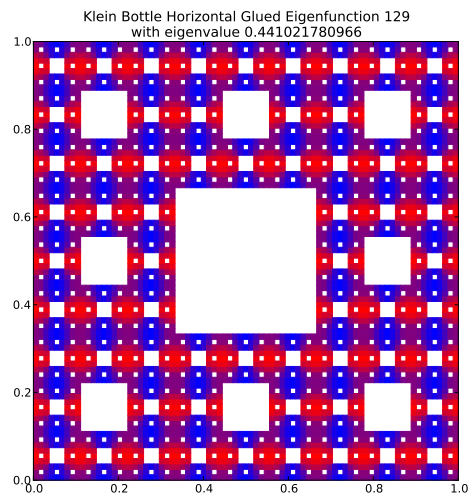
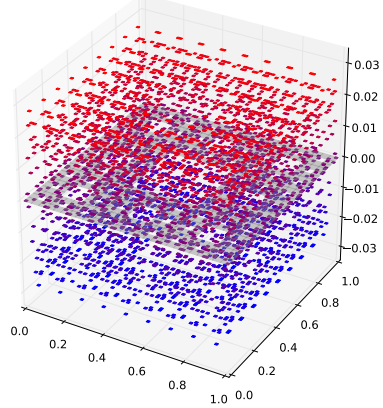
Eigenfunction 128 with eigenvalue 0.439599898592

Klein Bottle Horizontal Glued Eigenfunction 128
with eigenvalue 0.439599898592



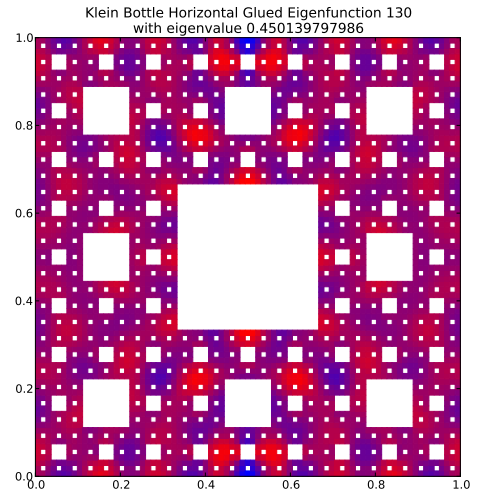
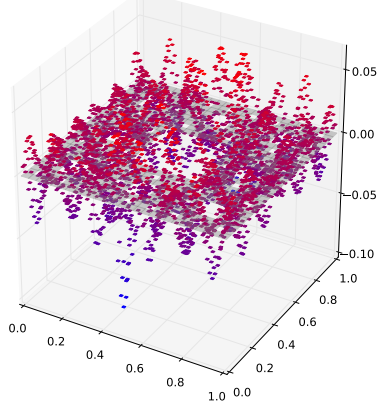
Eigenfunction 129 with eigenvalue 0.441021780966

Klein Bottle Horizontal Glued Eigenfunction 129
with eigenvalue 0.441021780966



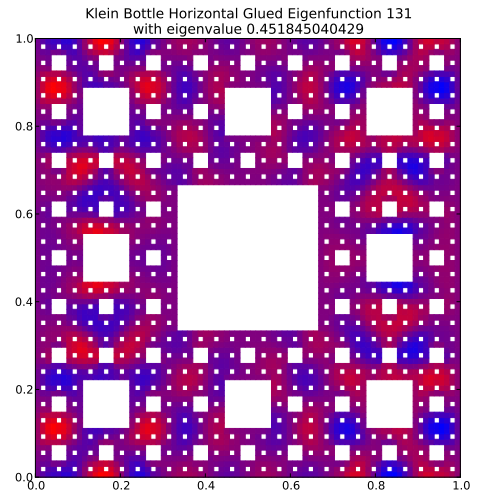
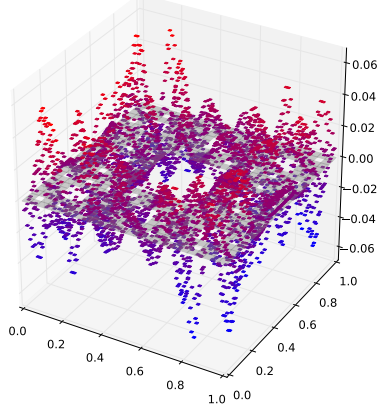
Eigenfunction 130 with eigenvalue 0.450139797986

Klein Bottle Horizontal Glued Eigenfunction 130
with eigenvalue 0.450139797986

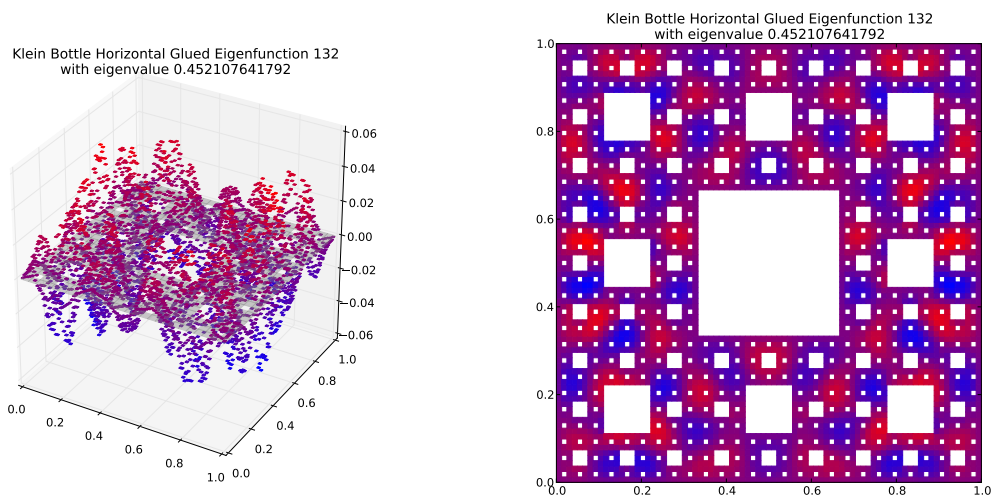


Eigenfunction 131 with eigenvalue 0.451845040429

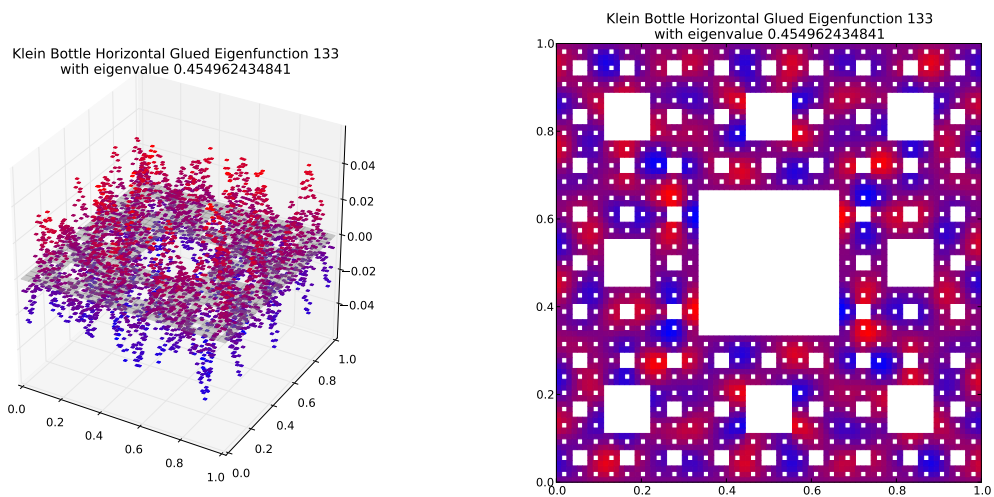
Klein Bottle Horizontal Glued Eigenfunction 131
with eigenvalue 0.451845040429



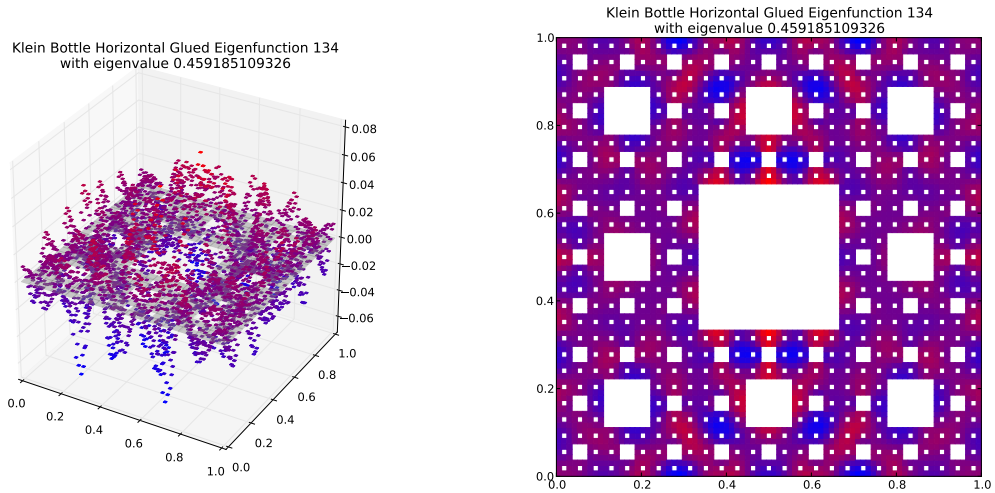
Eigenfunction 132 with eigenvalue 0.452107641792



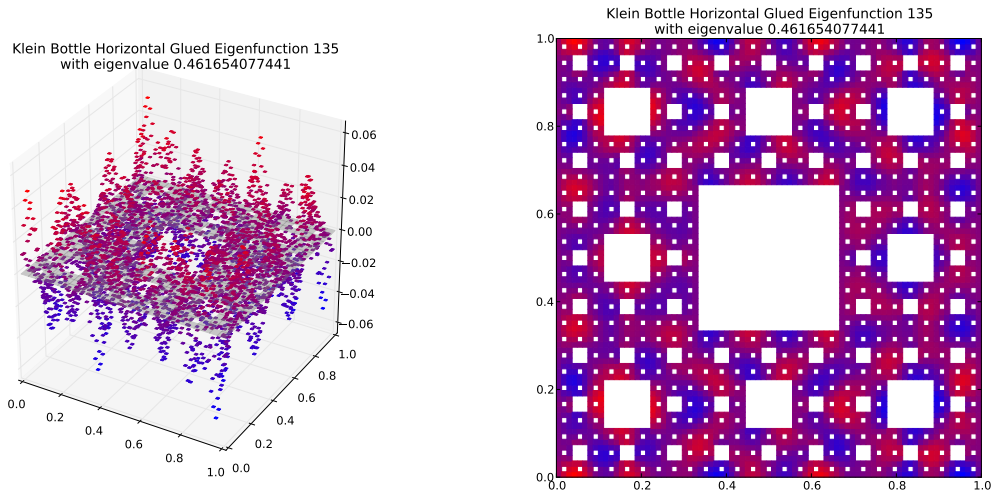
Eigenfunction 133 with eigenvalue 0.454962434841



Eigenfunction 134 with eigenvalue 0.459185109326

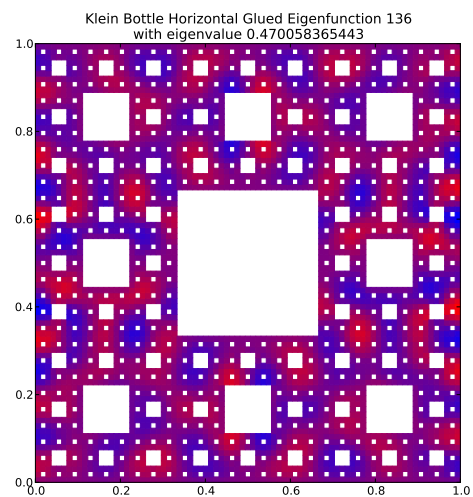
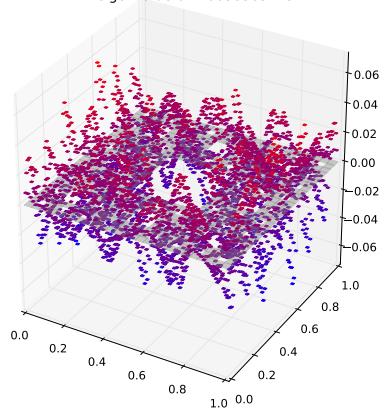


Eigenfunction 135 with eigenvalue 0.461654077441



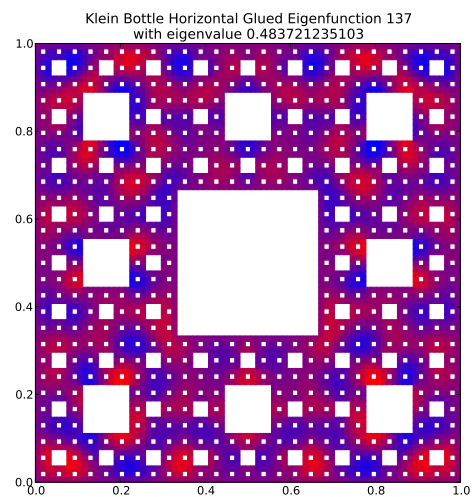
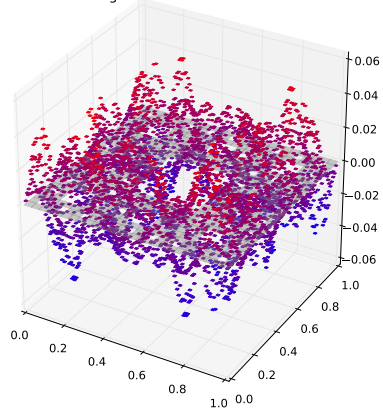
Eigenfunction 136 with eigenvalue 0.470058365443

Klein Bottle Horizontal Glued Eigenfunction 136
with eigenvalue 0.470058365443

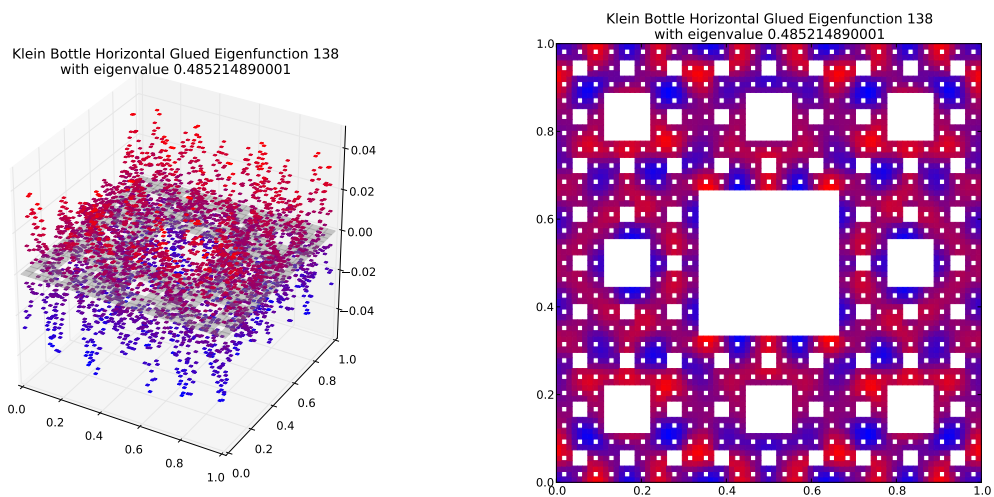


Eigenfunction 137 with eigenvalue 0.483721235103

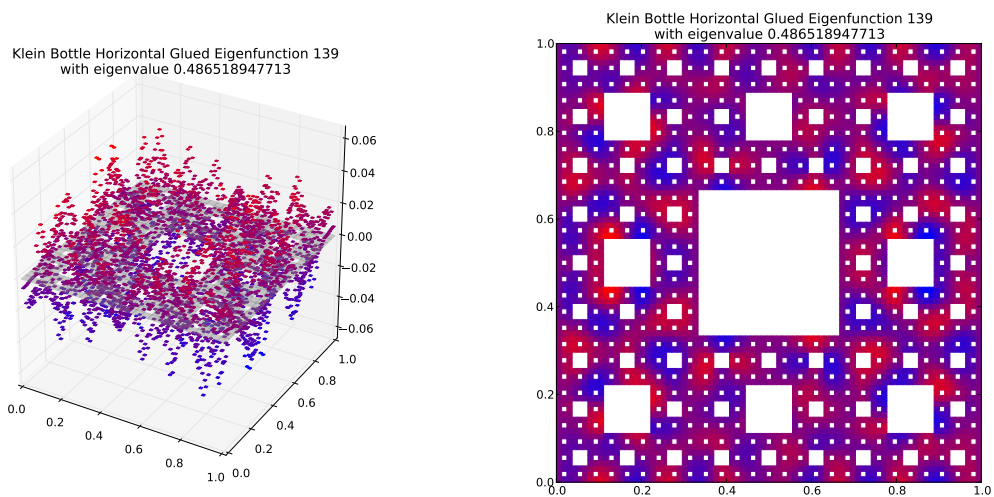
Klein Bottle Horizontal Glued Eigenfunction 137
with eigenvalue 0.483721235103



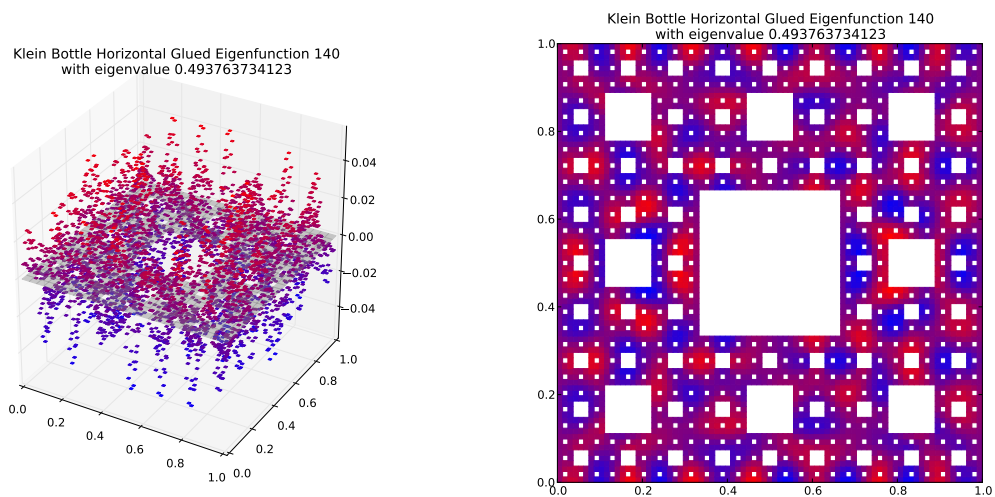
Eigenfunction 138 with eigenvalue 0.485214890001



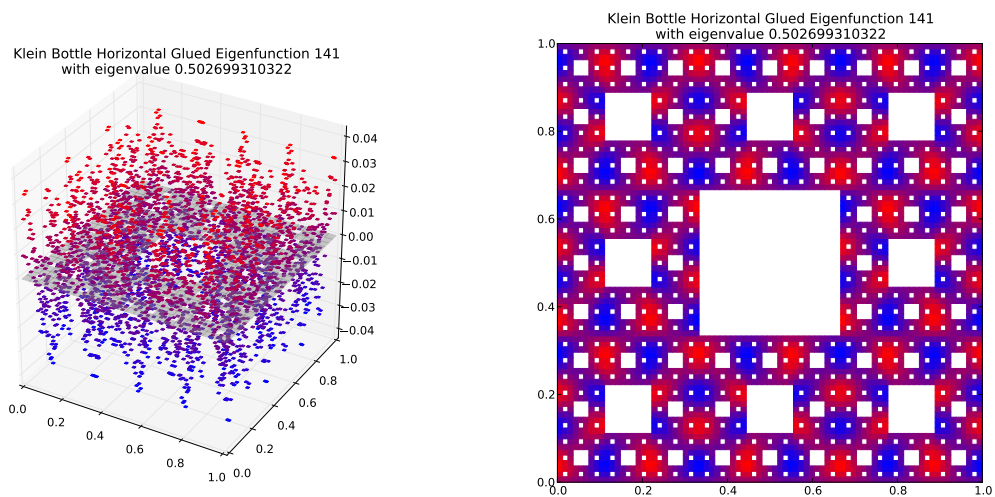
Eigenfunction 139 with eigenvalue 0.486518947713



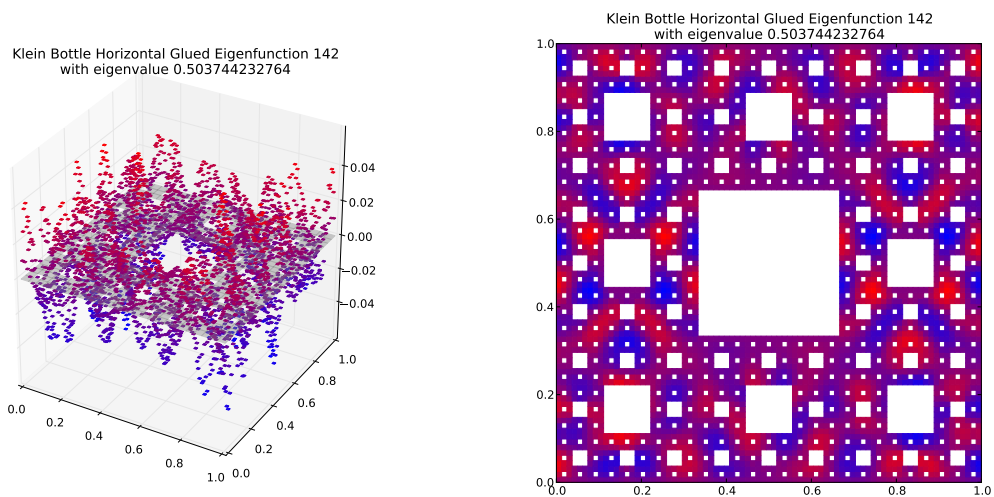
Eigenfunction 140 with eigenvalue 0.493763734123



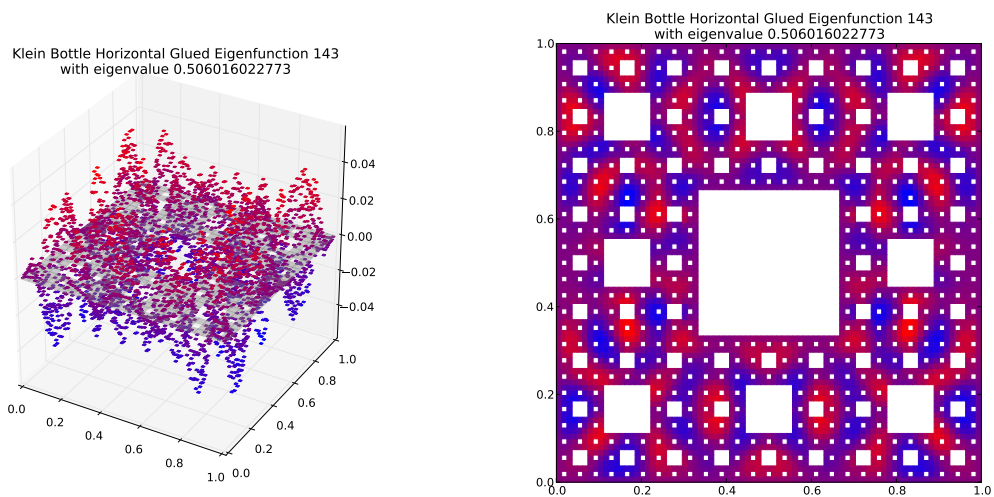
Eigenfunction 141 with eigenvalue 0.502699310322



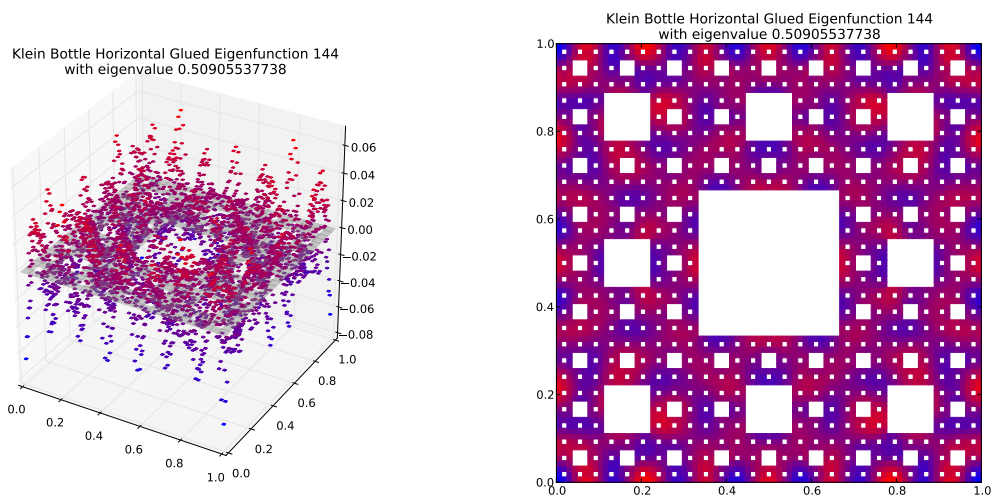
Eigenfunction 142 with eigenvalue 0.503744232764



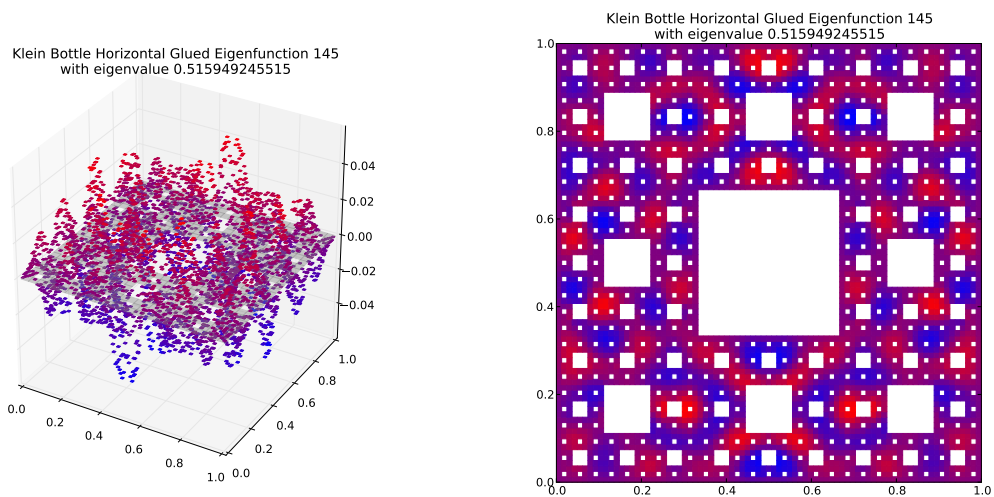
Eigenfunction 143 with eigenvalue 0.506016022773



Eigenfunction 144 with eigenvalue 0.50905537738

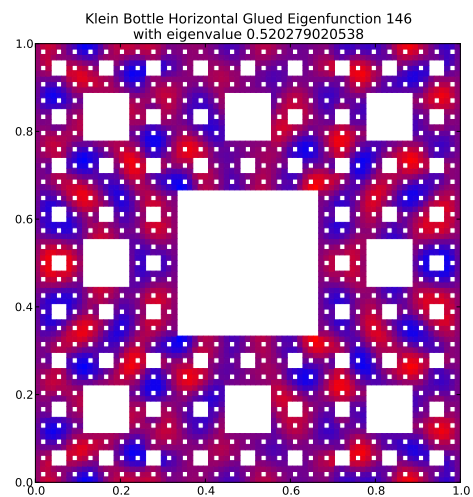
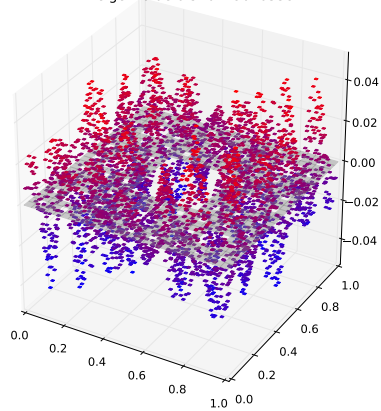


Eigenfunction 145 with eigenvalue 0.515949245515



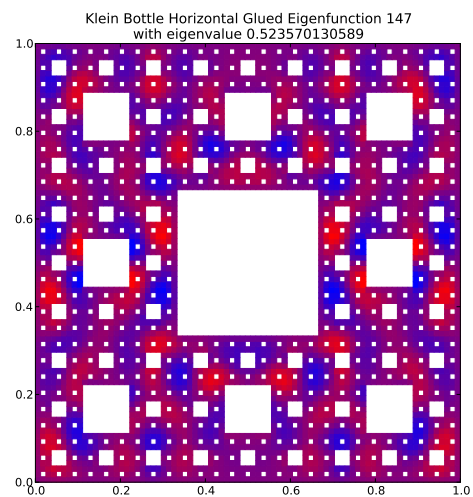
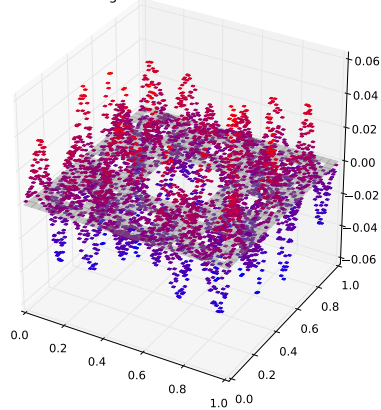
Eigenfunction 146 with eigenvalue 0.520279020538

Klein Bottle Horizontal Glued Eigenfunction 146
with eigenvalue 0.520279020538



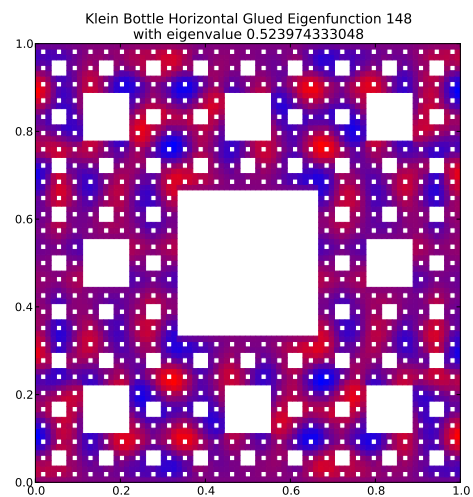
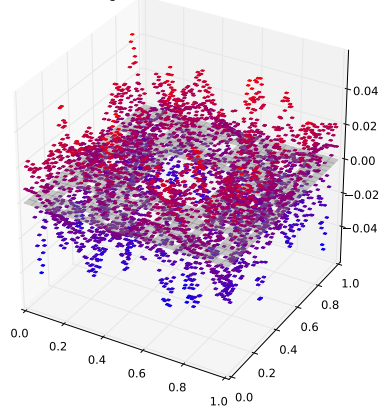
Eigenfunction 147 with eigenvalue 0.523570130589

Klein Bottle Horizontal Glued Eigenfunction 147
with eigenvalue 0.523570130589



Eigenfunction 148 with eigenvalue 0.523974333048

Klein Bottle Horizontal Glued Eigenfunction 148
with eigenvalue 0.523974333048



Eigenfunction 149 with eigenvalue 0.52525690526

Klein Bottle Horizontal Glued Eigenfunction 149
with eigenvalue 0.52525690526

